Digitized by the Internet Archive
in 2014

https://archive.org/details/b19974760M2246

THE CHEMIST AND DRUGGIST

ESTAB. 1859

REGISTERED AS A NEWSPAPER.

TELEPHONE: CENTRAL 3617.
TELEGRAMS: "CHEMICUS, CANNON, LONDON" (2 Words).

PUBLISHED WEEKLY AT 42 CANNON ST., LONDON, E.C.4.

SUBSCRIPTION, WITH DIARY 20/- PER ANNUM
SINGLE COPIES 9d.

No. 2152 APRIL 23, 1921. VOL. XCIV.

Do you know the "Torch" Brand Series?

The 'Torch' Brand series is designed to supply a range of pharmaceutical preparations in common demand of the highest quality and of British Manufacture. The distinctive features are—

Quality Contents are the best that Pharmaceutical skill can produce.

Appearance The simple 'Torch' Brand design—red and black on a buff ground—is distinctive and attractive.

Profit is never less than 33⅓% (P.A.T.A.) on turnover, and for the most part is more than this.

Saleability The 'Torch' Brand Products bear our own name, and all unconsciously your customers are influenced in their favour by the reflected publicity of the House.

Write for detailed list or discuss with our traveller and see samples on his next visit.

Never Less—

33⅓%

Generally More

Allen & Hanburys Ltd.
37 Lombard St., London, E.C.3.

Index to Advertisers, pp. 5 & 6.

Take thought for Summer!!

You cannot do better for your **Customers** and **Yourself** than by **Stocking** and **Pushing**

Wright's Fruit Saline

A GRANULAR SALINE THAT REALLY EFFERVESCES.

Retail

2/3

Wholesale

per **17/-** doz.

Packed in an attractively coloured carton.

BONUS GIVEN *for* WINDOW DISPLAY.

Buy now and make an early Show.

WRIGHT, LAYMAN & UMNEY, Ltd.

Specialists in Reliable Packed Pharmaceuticals,

SOUTHWARK, LONDON, S.E. 1.

Look to your stock of the

Supplies are now ample to meet every demand——we are therefore again advertising our Feeder throughout the British Isles

Complete Feeder (each in Cardboard Box) **16/3 per doz.**

RETAIL AT 1/9 EACH.

Carriage paid on orders of 3 dozen.

All orders to be addressed to the Chemist's usual Wholesaler or to the Glaxo Distributing Agents as follows :

SANGERS - - - 42A Hampstead Road, London, N.W.1
SANGERS - Old Infirmary Bldgs., Newcastle on-Tyne.
WILLIAM HILL - - - - Watson Street, Glasgow.
JOHNSON BROS. - - - Great Ship Street, Dublin.
JOHNSON BROS. - - - Duncrue Street, Belfast.

If you have any difficulty in obtaining stocks write at once to

SALES MANAGER, GLAXO, 155 GREAT PORTLAND ST., LONDON, W.1.

HOUSEHOLD SOAP

Our initial announcement (February 26th) has kept our works going steadily, but there are still many Pharmacists who have not yet taken advantage of our offer or realised what an excellent sideline is represented herein. The quality is *pharmaceutical*—detergent properties such as to arouse enthusiasm for the wash-tub, and price

6½d. lb.

Case FREE CARRIAGE PAID
on 1-cwt. lots (England & Wales)
or 2-cwt. lots (Ireland & Scotland)
5 % allowed on 3-cwt. lots

Bars approximately 40 to the cwt. Showcards supplied offering retail at 1/10½ bar, or 8½d. for the single lb.

CAN NOW ALSO BE HAD IN DOUBLETS

Retail	Dozen	GROSS CASE	3 Case Lots
5½ D.	4/4	49/6	5 % 1 Mo.
		Carr. paid England & Wales	Carr. paid Great Britain

Sample sent on application.

EVANS SONS LESCHER & WEBB LTD

Liverpool New York London

SACCHARIN-MONSANTO

QUALITY
UNSURPASSED.

GM

WE INVITE COMPARISON
WITH ANY MAKE.

BRITISH MADE

Manufactured by

THE

Graesser-Monsanto Chemical Works,

LIMITED,

RUABON, N. WALES

Please address all enquiries to our London Office:

62 London Wall, E.C. 2.

Phone: 4613 London Wall.

Telegrams: "Graesanto, Ave, London."

"STAFFALLENS"

Telephone—
CLERKENWELL 2100 (4 lines)

Codes—
BENTLEY'S; LIEBER'S;
A B C, 5th EDITION

Telegraphic Address—
"STAFALENS,
FINSQUARE,
LONDON."

DISTIL

ESSENTIAL OILS FROM ENGLISH HERBS AND FLOWERS—PEPPERMINT, DILL, CHAMOMILE, LAVENDER, ROSEMARY
ESSENTIAL OILS FROM FOREIGN DRUGS AND SPICES—CORIANDER, CARDAMOM, CLOVE, PATCHOULI, NUTMEG, GARLIC, PIMENTO, JUNIPER, VETIVERT
AROMATIC WATERS—ELDERFLOWER, CINNAMON, DILL, ROSE

RECTIFY

ENGLISH AND FOREIGN ESSENTIAL OILS—PEPPERMINT, CARRAWAY

IMPORT

FOREIGN ESSENTIAL OILS AND DRUGS AND SPICES—LEMON, BERGAMOT, ORANGE, CASSIA, OTTO OF ROSE, EUCALYPTUS, STAR ANISE, THYME, CITRONELLA, GERANIUM, SPIKE LAVENDER, WINTERGREEN GENTIAN, CASCARA, SCAMMONY, TRAGACANTH, NUX VOMICA, CINCHONA, RHUBARB, INDIAN HEMP, JALAP, SENNA, IPECACUANHA, ERGOT, GINGER, COCA, OPIUM, ACACIA, PEPPER

MAKE

ODOROUS AND MEDICINAL PRODUCTS FROM VOLATILE OILS—ANETHOL, EUGENOL, GERANIOL, CITRAL, THYMOL
PERFUMERS' RAW MATERIALS AND COMPOUNDS—ROSE SIMILE, JASMIN SIMILE, NEROLI SIMILE, CONCRETE ORRIS, SASORABIA, TREFLE

GROW

ENGLISH MEDICINAL & PERFUME PLANTS & FLOWERS—DIGITALIS, CHAMOMILE, ACONITE, HENBANE, DILL, COLCHICUM, BELLADONNA, LAVENDER, RHUBARB, TARAXACUM, PEPPERMINT, VALERIAN

EXPRESS

MEDICINAL FIXED OILS—ALMONDS, STAVESACRE, APRICOT KERNEL, CROTON, NUTMEG

GRIND

PURE DRUGS AND SPICES—RHUBARB, ACACIA, JALAP, TRAGACANTH, SENNA, IPECACUANHA, LIQUORICE, PEPPER, GINGER, NUTMEG, CINNAMON

EXTRACT

ENGLISH HERBS AND FOREIGN DRUGS—BELLADONNA, ERGOT, HYOSCYAMUS, NUX VOMICA, OPIUM, QUASSIA, GENTIAN
RESINS—PODOPHYLLIN, JALAP, SCAMMONY
OLEO-RESINS—GINGER, CAPSICUM, CUBEBA, PEPPER

MANUFACTURE

PRESERVED JUICES & CONFECTIONS, OINTMENTS, PILLS & PLASTERS TO FORMULÆ OF ALL PHARMACOPŒIAS

COMPOUND

TINCTURES, LIQUID EXTRACTS, LINIMENTS, ESSENCES, SPIRITS AND CONCENTRATED WATERS TO ALL OFFICIAL REQUIREMENTS, OR IN ACCORDANCE WITH CUSTOMERS' PRIVATE FORMULÆ

EXPORT UNDER BOND

PERFUME AND MEDICINAL SPIRITUOUS PREPARATIONS TO ALL PORTS

AGENTS:

INDIA & FAR EAST	TYLER BROS. (EASTERN) LTD.,	27 EZRA MANSIONS, CALCUTTA
FRANCE	RENE FORESTEAU,	7 RUE DE TRACY, PARIS
JAPAN	HAMAGUCHI TRADING CO.,	P.O. BOX 8 NIHONBASHI, TOKYO
U.S.A.	UNGERER & CO.,	124 WEST 19TH STREET, NEW YORK
AUSTRALIA	SLADE, ALLEN & CO.,	G.P.O. BOX 1540, SYDNEY
SPAIN	J. J. B. WALDRON,	APARTADO 124, SAN SEBASTIAN
ARGENTINE	DESIRE DEFOSSEZ,	1340 AVENIDA DE MAYO, BUENOS AIRES
EGYPT	EMILE FARHI & CO.,	P.O. BOX 957, CAIRO
HOLLAND	L. F. MINARIK,	KEIZERGRACHE 164, AMSTERDAM
WEST INDIES	T. GEDDES GRANT, LTD.,	BROADWAY, PORT-OF-SPAIN, TRINIDAD
ITALY	LA DITTA FRANCESCO FERRARIO,	VIA MELZO 18, MILAN

STAFFORD ALLEN & SONS, Limited

Herb Farms & Distillery—
Long Melford, Suffolk

Head Office & Mills—
Cowper St., Finsbury, E.C.2

Export Warehouse—
Ardleigh Green, Essex

INDEX TO ADVERTISERS

Abbey Co., Ld., *Toilet Preps.* 28
Allen & Hanburys, Ld., *Torch Brand Series* ..... Cover
Allen, Stafford, & Sons, Ld, *Essential Oils, &c.* 4
Alliance Drug & Chem. Co., *Chemicals* xiii
Apollinaris Co., Ld., *Apenta Water* 6
Assoc of Mfg. Chemists ..... Col. Supp.
Ayrton, Saunders & Co., Ld., *Wholesale Druggists* 15

Baker, Parson C., *Chemists' Valuer* Col. Supp.
Banister Street Works, Ld., *Machinery* xxxiv
Battin, H., & Co., Ld., *Gentian Root, &c.* xii
Battle, Maltby & Bower, *Sheep Dips* xl
Benger's Food, Ld., *Foods* 32
Bengue, Dr., & Co., *Balsam* xx
Bennett, Sons & Shears, Ld., *Machy.* xxxv
Berdoe & Fish ..... Col. Supp.
Berk, F. W., & Co., Ld., *Acids* vi
Berton, Arthur, Ld., *Bathing Caps, &c.* xlviii
Betts & Co, Ld., *Coll. Tubes* xli
Bidwells, Ld., *Brushware* xliv
Blackaller & Pleasance, *Eau de Cologne* 21
Blackie, Robert, *Ointments, &c.* 28
Borthwick, W., *Bottles* xxxix
Brand & Co., Ld., *Essences* xxix
Bratby & Hinchliffe, Ld., *Raspberry Vinegar* 10
Brett & Co. ..... Col. Supp.
Bristol-Myers Co., *Saline Laxative* ... xv
British Cyanides Co., Ld. i
British Dyestuffs Corporation, Ld. ... ii
Brotherton-Ratcliffe & Co., Ld., *Chemicals* v
Brown & Forth, Ld, *Chemicals* vii
Browning, The Wm., Co., Ld. i
Brunner, Mond & Co, Ld., *Alkalies* ... v
Buckler, F., Ld., *Mirrors* 10
Burge, Warren & Ridgley, Ld., *Combs, &c.* 16
Burrough, J., Ld., *Absolute Alcohol* Text
Burroughs Wellcome & Co., *Toilet Lanoline* 31

"C. Cure," Ld., *Proprietary* xi
Callard & Co, *Vitmar* xxvi
Calnan, W. H., & Co., Ld., *Perfumery* 25
Cannon, H. A., *Razor Blades* 10
Cartwright, W. B., Ld., *Health Salts, &c.* 7, 27
Chatelain, J. L., *Urodonal* xix
"Christian Herald" xlii
Christy, T., & Co., *Shampoo* 32, xxi, xxviii
Citrus Brand & Manufactory, *Ess. Oils* 20
Clark, Cicero S., *Cachets* xxviii
Clayton Aniline Co., Ld, *Chemicals* iii
Condrup, Ld., *Vacuum Bottle* xxxii
Cooper Laboratory, *Chemicals* ix
Cooper, Son & Co., Ld., *Cachets* xxviii
Cox, Arthur H., & Co., Ld, *Salphur Tablets* 32
Cresswell Bros. Branch Intl. Sponge Importers, Ld. xlvi
Crookes' Laboratories xx
Cuff, J. H., & Sons, *Proprietaries* Col. Supp.
Cuxson, Gerrard & Co., Ld., *Corn Plasters* 19

Davidson, J., *Boxes* xl
Davies, Sons & Co. (Derby), Ld., *Sulphur Tablets* 5
De Vilbiss Co., Ld, *Atomisers, &c.* xxviii
Dean's Rag Book Co., Ld., *Swimeesy Baoys* xxxii
Dearborn, Ld., *Toilet Specialities* xlii
Dodge & Olcott Co., *Essential Oils* 18
Dudley & Co, *Cash Tills* xxxiv
Duncan, Flockhart & Co., *Anæsthetics* vii

Eastern & Russian Trading Co., Ld. xiv
Egertons, Ld., *Photographic* xliii
Eno, J. C., Ld., *Fruit Salt* 8
Erasmic Co., Ld., *Toilet Soap* 22
Evans, Adlard & Co., *Filter Papers* 22
Evans Sons Lescher & Webb, Ld., *Household Soap* 2
Evans-Williams Co., Ld., *Shampoo and Perfumery* ..... 18, xxviii

Farrow & Co., *Bottles* xxxvii
Field, C. W., Ld., *Chemicals* viii
Fink, F., & Co., *Gums* xxviii

Forgrove Machinery Co., Ld. xxxv
Forhans, Ld, *Dentifrice* xviii
Foster-McClellan Co., *Doan's Preps.* xvi, xvii
Fox, Francis F., & Co., *Oils* xxii
Fox, W., & Sons, *Bath Salts, &c.* 28, xliii
Freudenthiel & Co., *Cod Liver Oil* ... xxix
Fujisawa, T., & Co, *Camphor* xiv

Gardiner & Co., *Overalls* xxxii
Gardner, W., & Sons (Glos.), Ld. ... xxxiv
Garratt, J. E., *Lemofizz* 12, 13
George, E. J., *Stocktaking* ..... Col. Supp.
Gibbins, R., & Co., *Tablets* xii
Gimber, W., & Son, *Sargical* xxxii
Glaxo, *Food* 1
Gower, J., *Books* ..... Col. Supp.
Graesser-Monsanto Chemical Works, Ld., *Saccharin* 3
Greeff, R. W., & Co., Ld., *Chemicals* ... 9
Grimsley & Co. (Leicester), Ld., *Machinery* xxxiv
Guyot-Guenin & Son, *Mustard Leaves* xxxi

Hammer & Co., *Chemicals* xi
Harker, C. R., Stagg & Morgan, Ld., *Durapede* 23
Harley, T., *Rat Poison* xxxviii
Harries, *Face Powder* 10
Heppells, *Alexine* xix
Hertz & Co., *Florozon Sprayers* xl
Heymans, Rene F., *Douche Fittings, &c.* xxx
Hobson, Trimble & Co., Ld xxxii
Honeywill Bros., *Alcohol* xl
Horlick's Malted Milk Co. xxvii
Howard, Lloyd & Co., Ld., *Pills, &c.* xii
Hubbuck, T., & Son, Ld., *Oxide of Zinc* x
Huiskino, C. L., Inc., *American Drugs* xv

Jackel et Cie (of Paris), Ld., *Hair Cream* 22
Johnson, A., & Co. (London), Ld., *Drugs* vi
Johnson & Sons (Mfg. Chem.), Ld, *Acids* viii
Josephs, Philip. & Sons, Ld. ... Col. Supp.
Jules Freres, Ld., *Pomade* 22

[*Continued overleaf.*

"Orange-Flavoured Compound"

Sulphur Tablets

IDEAL SPRING MEDICINE
CHILDREN LIKE THEM.

7 lb.	14 lb.	28 lb.	56 lb.	112 lb.
1/7	1/6	1/5	1/4	1/3

DAVIES, SONS & CO. (DERBY) LTD.
ESTABLISHED 1895.
Wholesale Druggists and Manufacturing Chemists,
BRIDGE STREET, DERBY.
TELEPHONE: No. 331. TELEGRAPHIC ADDRESS: "PILLS DERBY."

INDEX—cont.

Kay Bros., Ld., *Fly Papers, &c.* ... xxxviii
Keene Co., The, *Chemicals* ... ii
Kerkoot, T., & Co., Ld., *Castols* ... 17
Khambata, J., & Co., *Tartaric Acid* ... iv
Killgerm Co., Ld., *Disinfectant* xxxviii
Kutnow, S., & Co., Ld. ... xxv

Lang, Jules, & Son, *Glassware* ... xxxix
Langley-Smith & Co., *Colza Oil* ... xxii
Lennon, Ld., *Drugs* ... xiv
Levermore, A., & Co., Ld., *Precip. Chalk* ... xxviii
Lewis, H. K., & Co., Ld., *Books* ... 29
Licenses & General Insurance Co., Ld. xxiv
Lichtenstein & Co., *Caramel* ... Text
London College of Pharmacy ... xl
London Rubber Co., *Bottle Teats* ... xxviii
Lovatt & Lovatt, Ld., *Stoneware Bottles, &c.* ... xxxvii
Ludeord & Co., *Bottles* ... xxxvi

Mack-Ivor, J. D. ... Col. Supp.
McGlashan, D., Ld., *Abdine* ... xxviii
Mangold, O., & Co., *Chemicals* ... viii
Margerison, J., & Co., *Soaps* ... Text
Mavlankar, K. B., *Essential Oils* ... 20
Maw, S., Son & Sons, Ld. ... 11
Millar, A., & Co., Ld., *Quinine Wine* Col. Supp.
Mills, H., & Sons, *Shopfittings* ... xliii
Minimum Retail Price List ... Text
Mitchell, N. W., & Sons, Ld., *Corks* xxxiii
Mohawk Cycle Co., Ld., *Carrier Cycles* ... xxxvii
Morny Freres, Ld., *Bath Soaps, &c.* Cover
Murphy & Son, Ld., *Pharm. Chemists* viii
Mutual Traders, *Oils* ... 20

Nestles, *Feeding Bottle* ... xxx
Northern Tin Canister Works ... xxxiv
Norwich Crape Co. (1856), Ld., *Bandages* ... xxxi

Old Strand Chemical & Trading Co., Ld. ... ii
Oldham, J. V., *Wines* ... xxvi
Orisal, Ld., *Dental Antiseptic* ... 30
Orridge & Co. ... Col. Supp.
Osmos Aperient Water ... xxvi

Oury, Millar & Co., *Gelatines* ... xxiv
Owens, F., & Co., Ld., *Bottles* ... xxxvii

P.A.T.A. ... xviii
Page, Chas., & Co., Ld., *Chemicals* ... x
Pears, A. & F., Ld., *Soaps* ... 26
Perry & Hope, Ld., *Malt Extract* ... xxix
Petri Bros., *Saponine, &c.* ... vi
Pharmaceutical Lanoline Co. ... 18
Pindar, J. W., & Co., *Pill Machinery* xxviii
Price, A. S., & Co., Ld. ... xiii
Pure Russian Liquid Parafein Co., Ld. ... xxiii

Raimes & Co., Ld., *Fly Gum* ... xxviii
Rajar, Ld., *Photographic Papers, &c.* xlv
Raworth, J. E., & Moss, *Pat. Agents* xxviii
Rayment, K., *Superol* ... xi
Recamier Toilet Products Co. ... xxviii
Red Band Chemical Co., *Bism. Magnesia* ... xii
Roberts & Co., *Tonic* ... xix
Rose, J. L., *Pyrogallic Acid* ... xi
Rudduck & Co., ... Col. Supp.

Saint Raphael Cie, *Tonic Wine* ... xxv
Saltrates, Ld. ... 14
Sanitas Co., Ld., *Disinfectants* ... Text
Sapon Soaps, Ld. ... 30
Schutze, F., & Co., Ld., *Soothers* ... xxx
Scurr, C. A., *Correspondence Courses* ... xl
Senier, A., & Co., *Cloth Balls* ... xliv
Seven Spas Propr. Co., Ld., *Soap* ... xx
Shadeine Co., *Hair Dyes* ... xxviii
Shadforth Prescription Service, Ld. xx
Shipkoff & Co., *Otto of Rose* ... 18
Sims, G. R., Hair Restorer Co. ... 26
Smith, Stanistreet & Co., Ld., *Indian Drugs, &c.* ... xv
Smith, T. & H., Ld., *Chemicals* ... iv
Societeit Voor Chemische Industrie Katwijk, *Caffeine, &c.* ... xiii
Solazzi, *Liquorice* ... xiii
Solernou, Viuda de Jose, *Agencies* ... xi
Solport Bros, Ld., *Manicure* ... xliv
Spatula Publishing Co., *Books* ... xlii
Standard Tablet Co., Ld., *Cocoanut Oil Shampoo* ... Cover
Sterns, Ld., *Oils, Petroleum, &c.* ... Text
Stevenson, Hugh, & Sons, Ld., *Boxes* xli
Stokes, C. A., & Co., Ld., *Toilet Preps.* 26

Strode, Cosh & Penfold, *Toilet Cream* 30
Swiss Bank Corp., *Mercantile Bnkg.* xiii

Thompson & Capper, Ld., *Machinery* xxxv
Timpson, John, & Co., Ld., *Baby Powder* 16
Timson, A. F., *Wire Corkscrews* ... xxxiii
Tipper, B. C., & Son, *Veterinary* xxxviii
Tomlinson & Hayward, Ld., *Weed Killer* ... 10
Tomlinson, T., & Sons ... Col. Supp.
Tomoda & Co., *Japanese Products* ... xiv
Tompkins, J., Ld, *Bathing Caps* ... xxxi
Toogood, Wm., Ld., *Toilet Preps.* ... 24
Transcontinental Agencies, Ld. ... xxv
Tye, J., & Son, *Capsules* ... xviii
Typke & King, Ld. *Chemicals* ... iv

Van Der Hoek, G., *Bottles* ... xxxi
Vanities Unlimited ... 28
Verrieres de Scailmont, *Glassware* xxxix
Vinolia Co., Ld., *Solidified Glycerine* xlvii
Viscose Development Co., Ld., *Bottle Cappings* ... xxxiii
Vitamogen, Ld., *Invalids' Food* ... xxvi

Wallace Heaton, Ld., *Photographic* ... xliii
Walsall Lithographic Co., *Showcards, &c.* ... xxxiii
Warne, W., & Co., Ld., *Surgical Goods* ... xxxi
Westminster College of Pharmacy ... xl
Whiffen & Sons, Ld., *Emetine Salt* ix
Whipman, P., & Co., Ld., *Drugs and Chemicals* ... vi
White, Tomkins & Courage, Ld., *Hop Oil* ... 18
"Whites," *Photographic* ... xliii
Whitehill Co. ... xxviii
Wilcox, Jozeau & Co., *Price Changes* Text
Wilkinson, James F., *Printing* ... xxxiii
Williamson Bros., *Puffs* ... 30
Williamson, G. H., & Son, *Tins* ... xlii
Willows, Francis, Butler & Thompson, Ld., *Drug Grinders, Disinfectants, Foods* ... vii
Wood Bros. Glass Co., Ld., *Bottles, &c.* ... xxxvi
Wright, Layman & Umney, Ld., *Fruit Saline* ... Cover

APENTA

The Best Natural Aperient Water.

For the Treatment of

Biliousness, Hepatic Disorders, Gouty Conditions, and Habitual Constipation.

Minimum Retail Prices: 2/6, 2/-, 1/- - *To the* Retailer: Doz., 24/-, 18/-, 9/-

APENTA

Write for Particulars.

The APOLLINARIS Company, Ltd., 4 Stratford Place, London, W. 1.

Moorland Health Salts

packed in special air-tight tins

Prices:

7/- doz.

1 gross 6/6 doz.
3 „ 6/3 „
5 „ 6/- „

Retail

per 10½D. tin.
3 for 2/6

THE tin has always been the trouble in packing Health Salts, the ordinary pattern is not air-tight owing to the seams being simply folded over. Our tins are specially made, all seams and joints being treated with a special inodorous composition which makes them quite air-tight when the lever lid is well pressed down.

Moorland Health Salt is the outcome of considerable scientific research, a fine pin-head granule which gives a continuous effervescence from the bottom of the glass—not a sudden fizz and all over—the percentage of acid, sweetness and saline properties are just right.

Each batch is carefully and scientifically tested in our own control laboratory before it is packed, and the uniformity of granules, solubility and percentage of acid, all noted, ensuring a perfect product.

Your profit is a very liberal one, at least 4d. per tin, you will notice—good show-matter is provided, and where you will take the quantity, we will supply specially designed posters to your requirements free. This is the salt you will eventually buy, so better commence NOW!

Don't order a few—Make a big, bold display and they will sell like hot cakes

"Moorland Pharmacy Service"

W. B. CARTWRIGHT LTD.
RAWDON NEAR LEEDS
Australia. 107-239 CASTLEREAGH ST SYDNEY. 333, FLINDERS LANE, MELBOURNE.
New Zealand. 161, HEREFORD ST. CHRISTCHURCH. CORNER ALBERT & BURHAM STS AUCKLAND.

MOORLAND BRAND

"Moorland Pharmacy Service"

A Further Increase in PROFIT for you

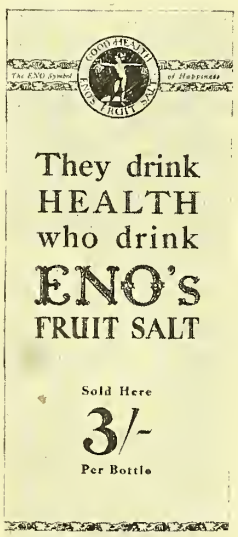
9d. **per bottle – or 25% clear profit on the selling price of ENO if you buy one gross lots**

—That the House of ENO has the interests of every retail pharmacist at heart is proved by the New ENO Window Display Offer. Until further notice our terms for one-gross orders will be **36/-** per dozen, less **20 %** and **6¼ %**, in return for 14 days' window display—this affords you the profit outlined above, or a total profit of **£5 8s. 0d.** on your outlay of **£16 4s. 0d.**

Our usual conditions will apply to such orders, namely, cash with order and carriage paid to your establishment. Cases will be charged as heretofore, at the rate of **12/-** each, but this amount will be refunded in full if case is returned to our works, carriage paid and in good condition.

The terms of our half-gross Trial Order have also been reduced from **£8 10s. 0d.** to **£8 8s. 0d.**, carriage paid, case inclusive and non-returnable. This represents a definite profit to you of **8d.** per bottle or **£2 8s. 0d.** on your outlay.

At this time of the year ENO is needed in every household, and an attractively-arranged window display in your pharmacy is the connecting link between the buying public and the ENO national advertising campaign. **Make sure of your share of these increased profits by placing your order NOW.**



The new **ENO PRICE CARDS** are now available in four different wordings. These cards are attractively printed in two colours, and measure 11¾ins. by 4¾ins.—a most convenient size for counter or window display. We will gladly send you a supply if you will send us a postcard stating number required.

ENO's FRUIT SALT

Brings Health to Your Customer and PROFIT to Your Business

For further particulars please write to the SALES MANAGER, J. C. ENO Ltd., Blackfriars House, New Bridge St., London, E.C.4.

BRIDGE BRAND

Pharmaceutical & Photographic Products

R. W. GREEFF & CO., Ltd., offer the following

CHEMICALS

Acid Lactic	Hexamine	Phenacetin
Acid Gallic	Hydrokinone	Quinine Ethyl Carb.
Cocain	Methyl Sal.	Terpine Hydrate

SPOT OR FORWARD DELIVERY.

R. W. Greeff & Co. Ltd.
Thames House Queen Street Place
London E.C.4
Telephone 6550 City
(8 LINES)

MANCHESTER BRANCH
Palatine Bank Buildings,
10 Norfolk Street.

NEW YORK AGENTS
R. W. GREEFF & CO. INC.
78, FRONT STREET.

SOLD BY CHEMISTS

HAYWARD'S Eureka WEED KILLER

THE BEST KNOWN and LARGEST SALES.
FULL STRENGTH. ALWAYS EFFECTIVE.

Powder and Liquid Qualities promptly supplied to meet Railway Regulations and all Requirements.

Write for Terms and Special Advertising Arrangements.

TOMLINSON & HAYWARD, LTD., LINCOLN

Genuine U.S. Army Surplus Stock

GILLETTE BLADES

Every Blade Guaranteed Clean & Perfect

An Investment showing 100 per Cent. Profit.

Box of ten dozen Blades, **29/6**
Three or more boxes, **28/6** carr. paid

H. A. CANNON,
Red Lion House, Red Lion Court, Fleet Street, E.C. 4.

RASPBERRY VINEGAR.

MADE ENTIRELY FROM THE FINEST RASPBERRIES & REFINED SUGAR.

Guaranteed free from synthetic ethers or artificial colouring matter. Sp. Gr. 1.3. Full Flavour.
Conforms strictly with the various requirements of the Food and Drugs Act,

PRICE 1/5 lb. NET.
Carriage Paid on 28-lb. Orders.

28 lb. in Free Wickered Stoneware Bottle, Carriage Paid, for **49/-** net.

BRATBY & HINCHLIFFE, Ltd.
Essence Distillers & Manufacturing Chemists,
SANDFORD ST., ANCOATS, MANCHESTER.

Special Clearing Lines

POCKET and SHAVING MIRRORS
BOUND IN LEATHERETTE
EXCEPTIONAL VALUE

Sample sets sent on approval provided you agree to return same within seven days.

FRANK BUCKLER, LTD.
CASTLE WORKS TOTTENHAM, N.17

Fanchette (Regd.) LIQUID FACE POWDER

A Charming Toilet Preparation.

Selling Price, **2/6** per bottle.

Retailers, Less 33⅓ % Wholesalers, Less 33⅓ % & 20 %

MANUFACTURERS:
HARRIES, Fanchette Toilet Preparations
46 PARK CRESCENT MEWS WEST, W.1.

Maw's Page

April 23, 1921 No. 497

Playing the Game

IF only we could introduce into modern business more of that sporting effort to play the game that we were taught at school to regard as the essence of true manliness. To go "all out"; not to play "to the gallery"; not to hang on to the ball; to carry one's bat out like a gentleman; to play for one's side and not for one's self: these are some of the things that we could well afford to find more frequently in business transactions of to-day. Unfortunately competition too often takes the place of co-operation, selfishness of sympathy, greed of goodwill. Business becomes merely a matter of the exchange of goods for money, and business brotherhood is forgotten in the rush to secure greater profits. The House of Maw for 113 years has been untiring in its efforts to "play the game." It has striven always to remember that it was a member of the pharmaceutical team, not an individual player. It has kept the interests of the team as a whole constantly in mind, and worked strenuously to further those interests. It has remained consistently loyal to the profession, even when loyalty meant material loss. It has built a bulwark which protects its chemist customers and helps its side to victory.

You protect yourself and help your profession generally when you concentrate on Maw's Lines, which are supplied to Chemists only.

Telephone: City 7 Private Branch Exchange

Telegrams: Eleven Cent London

S. Maw, Son & Sons, Ltd.
Aldersgate St., London.
and Barnet.

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

J. E. GARRATT
ANNOUNCES

LEMOFIZZ

(Trade Mark Regd.)

"The Champagne of Lemons"

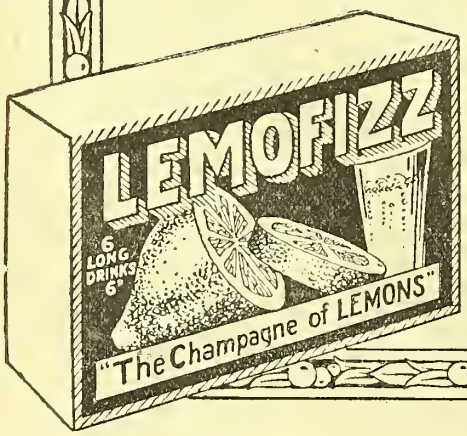
LEMOFIZZ is the first really successful effervescent lemonade powder. It makes the superlative lemonade drink because it possesses one feature that makes it superior to all others, and that is, not only does it provide an effervescent drink in the ordinary sense, but that it aerates the water in exactly the same way as ordinary syphon water is aerated. This feature is possessed by no other lemonade powder.

LEMOFIZZ is packed in an entirely different manner to any other article of its class. Each drink in the sale carton is separately wrapped which ensures that not only is the exact quantity for a drink always ready, but that the flavour and the subtle delicacy of the ripe, fresh lemons from which **LEMOFIZZ** gets its fine tang are unimpaired and as fresh when you sell it as on the day it was made.

LEMOFIZZ is well backed by advertising matter, showcards, etc., and there is sure to be a big demand. With every order an adequate supply of advertising is sent and more will always be sent on request.

LEMOFIZZ is popular-priced. In the smaller sizes it costs only a penny per drink, while in the larger sizes it is considerably cheaper.

Sole Maker & Proprietor—see next page.



1d. per Drink

& over 40% Profit

on **LEMOFIZZ**

TRADE PRICES.

6d. (6 drinks) size	... ...		**4/6** dozen
1/- (13 „) „	... ...		**9/-** „
2/- (28 „) „	... ...		**18/-** „
*10/- (144 „) „	For selling as whole packet for Picnics, Tennis Clubs, Outings, Canteens, Garden Parties, &c., or as separate 1d. drinks.		***7/6** each
*33/4 (500 „) „			***25/-** „

*These two items sold as separate **1d.** drinks fetch **12/-** & **41/8** respectively, so, by selling them separately at **1d.**, you make on them a profit (even without "Cash" or "Quantity Discounts") of nearly **40** %

SPECIAL WINDOW DISPLAY BONUS.

5% Window-Show Bonus on all Orders of £4 and up, placed before May 31 for filling before June 30, with not less than 7 days' Window Display.

SPECIAL QUANTITY DISCOUNTS, &c.

5%	Quantity Bonus on	Orders	for £10 to £24
7½%	„	„	£25 to £49
10%	„	„	£50 to £99
15%	„	„	£100 and up

TERMS:

2½% at 7 days. Net strictly 30 days. Cash with order or two trade references for all new accounts. Carriage paid on all orders of £1 and upwards.

TWO SUGGESTED TRIAL SAMPLE ORDERS.

No. 1.	£	s.	d.
3 doz. 6d. (6 drinks) size at 4/6	13	6	
1 doz. 1/- (13 drinks) size at 9/-	9	0	
	£1	2	6

No. 2.*	£	s.	d.
6 doz. 6d. (6 drinks) size at 4/6	1	7	0
3 doz. 1/- (13 drinks) size at 9/-	1	7	0
1 doz. 2/- (28 drinks) size at 18/-		18	0
	£3	12	0

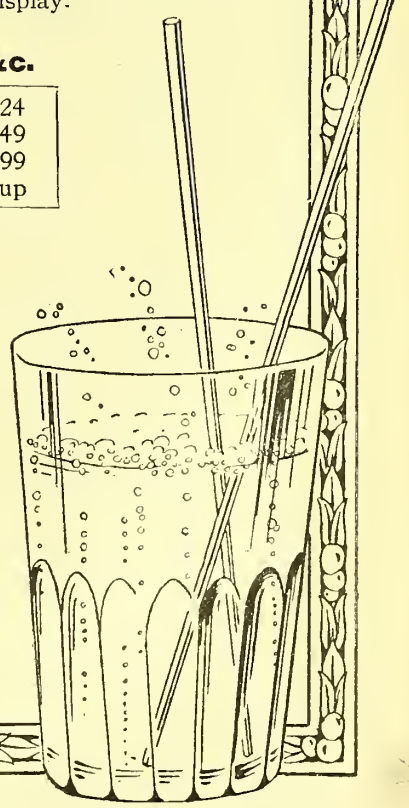
*A double supply of Advertising Show Material goes with No. 2 Order.

State if immediate or future delivery required; if latter give date.

Sole Maker & Proprietor:

J. E. GARRATT, 96 Southwark St., London, S.E.1.

Commission Representatives required in all areas (especially seaside) not already covered. Applicants to give lines carried and area worked.



ALKIA SALTRATES AND REUDEL BATH SALTRATES

The extreme height of perfection in salines. The best that can be produced regardless of cost. (3/3 P.A.T.A.).

The best of all bath preparations, either for medicinal or general toilet use. (2/- and 3/3, double size, P.A.T.A.)

They never stay long on your shelves, because they please the customer EVERY TIME.

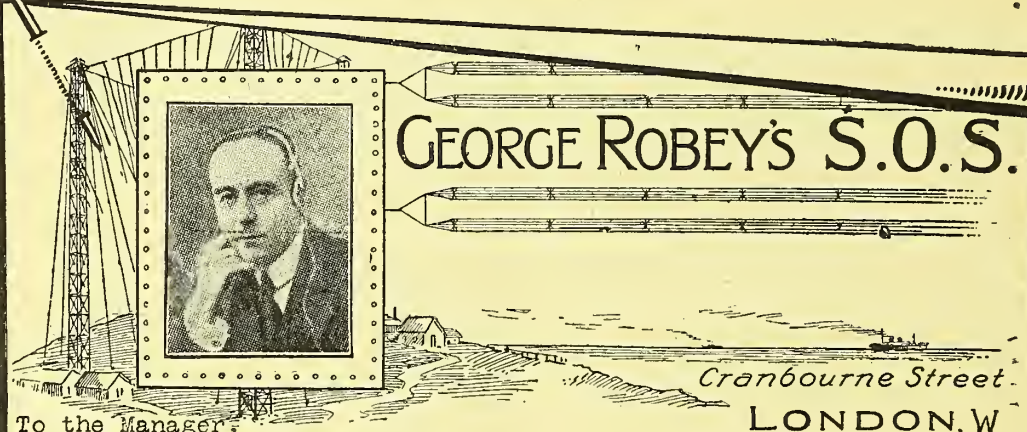
Never Let Your Stock Run Too Low.

NO STOCK — NO SALES.

A LETTER THAT EVERY CHEMIST SHOULD READ.

"Do I still have to travel to Continental Spas? No, *NO*,—n'n'n' NO. I take my cure at home,"

Says **GEORGE ROBEY,** the inimitable comedian, who, like Harry Lauder and numerous others amongst the really great stars of the theatrical firmament, has joined the long list of prominent men and women who have used our Saltrates with results so pleasing that they have kindly written us in grateful acknowledgement of the wonderful benefits derived. No other preparations in the world have ever received such endorsement. The following letter is here reproduced by special permission. SALTRATES, LTD.



Cranbourne Street
LONDON.W

To the Manager,
Saltrates Ltd.,
214 Great Portland Street, W. 1.

March 8th. 1920.

Dear Sir:- That was a good turn you did me in donating the supplies of Alkia Saltrates and Reudel Bath Saltrates that I ordered for the hospital. The favour is appreciated by me as much as the Saltrates are appreciated by all who use them, myself of course included. No one can accord anything higher praise than that.

Personally, I never could be sure of remaining in perfect bodily health and comfort without always having both Alkia and Reudel right where they are handy when wanted. I needed these Saltrates of yours long before commencing to use them, years ago. "Oh! How can I tell you my feelings" in those days. Now, I have no more internal or external aches or pains, no more tired feet or muscular strains. Do I still travel to Continental Spas? No, NO - n'n'n' NO! I take my cure at home.

I realise that every manufacturer appreciates the testimony he knows his products deserve, and it gives me pleasure to acknowledge the benefits derived in my own case. If you consider that my recommendation may be useful in helping others help themselves by using Alkia or Reudel, I have no objection to your quoting this letter.

Yours gratefully

Geo. Robey.

AYRTON'S WEEKLY

PAGE 15

FIZZ!

Your customers will appreciate delicious lemonade with the invigorating flavour of ripe juicy lemons — made in a few moments with

Ayrton's Lemonade Tablets.

The satisfying drink for Picnics, Socials, Parties, etc. So easy to prepare. Just drop a tablet in a tumbler of cold water—in a few moments a sparkling, thirst-quenching lemonade is ready to serve. ***No sugar required.***

Your Profits are Protected.

RETAIL (P.A.T.A.), per tin of 6 tablets, **6½d.**

WHOLESALE, per gross tins, **54/-**

Bonus of one dozen with a gross order, and your agreement to make a window display for two weeks. Showcards supplied with orders on request.

Place your order now, and be ready for the first hot day.

£5 mixed orders carriage paid.

Delightfully Satisfying !

AYRTON'S THIRST QUENCHERS.

Delicious lemon circles which melt on the tongue.

	1½d.	3d. rolls
Per gross	**12/-**	**24/-**

9d. tins, per gross, **78/-**

London Agents :

J. C. GAMBLES & CO.,
49 FARRINGDON STREET,
LONDON, E.C.4.

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **58 Hanover Street, LIVERPOOL**

Telegrams—"Porous London."
Codes—A B C, 5th Edition.
Telephone—City 6910 (2 lines).

104 & 106 GOLDEN LANE,
LONDON, E.C. 1.

Dear Sir,

Re Antiseptic Toilet and Baby Powder, J. & J.

To gain the confidence of your customers is the keynote to SUCCESS. You are SAFE in recommending this powder; it has many rivals but no equal. BEST FOR TOILET, BEST FOR NURSERY. It will bring customers back to your Pharmacy over and over again for more, the QUALITY compels this, and that is what is wanted. Moreover, the customers' presence offers the opportunity to sell them something else.

Yours faithfully,

JOHN TIMPSON & CO., LTD.

Agents for JOHNSON & JOHNSON.

COMBS

LADIES' DRESSING COMBS.

No.		Size.	Per Doz.
103	Black celluloid	7 × 1½″	6/6
171	White ,, ...	7 × 1½″	6/6
102	Black ,, ...	8 × 1¾″	7/6
101	White ,, ...	8 × 1¾″	7/6
121	Black ,, ...	7½ × 1¼″	8/6
222	White ,, ...	7¼ × 1½″	8/6
118	Black vulcanite	8 × 1¾″	10/0
116	Shell celluloid	7½ × 1¼″	12/0
166	White ,, ...	7½ × 1½″	12/0
187	Black ,, ...	7½ × 1½″	15/0
195	,, vulcanite	8 × 1¾″	15/0
107	,, celluloid	8 × 1¾″	20/0
106	White ,, ...	8 × 1¾″	24/0

GENTS' COMBS.

165	Black celluloid	6½ × ⅞″	6/6
144	Black vulcanite	7 × 1″	7/6
143	Black ,, stout ...	7 × 1″	8/6
241	Horn	7 × 1″	9/6

LADIES' RAKE COMBS.

No.		Size.	Per Doz.
223	Black celluloid	8 × 1¾″	8/0
224	White ,, ...	8 × 1¾″	8/0
167	White ,, ...	6 × 1¼″	8/6
119	Black ,, ...	8 × 1½″	10/6
196	,, vulcanite	8 × 1¾″	15/0
115	White celluloid	7½ × 1¾″	15/0
117	,, ,, ...	7½ × 1½″	18/0
174	,, ,, ...	8 × 1¾″	24/0
189	Black ,, ...	8 × 1¾″	24/0

LADIES' HANDLE COMBS.

104	Black celluloid	8 × 1″	15/0
105	White ,, ...	8 × 1″	15/0
216	Black vulcanite	8½ × 1¾″	24/0

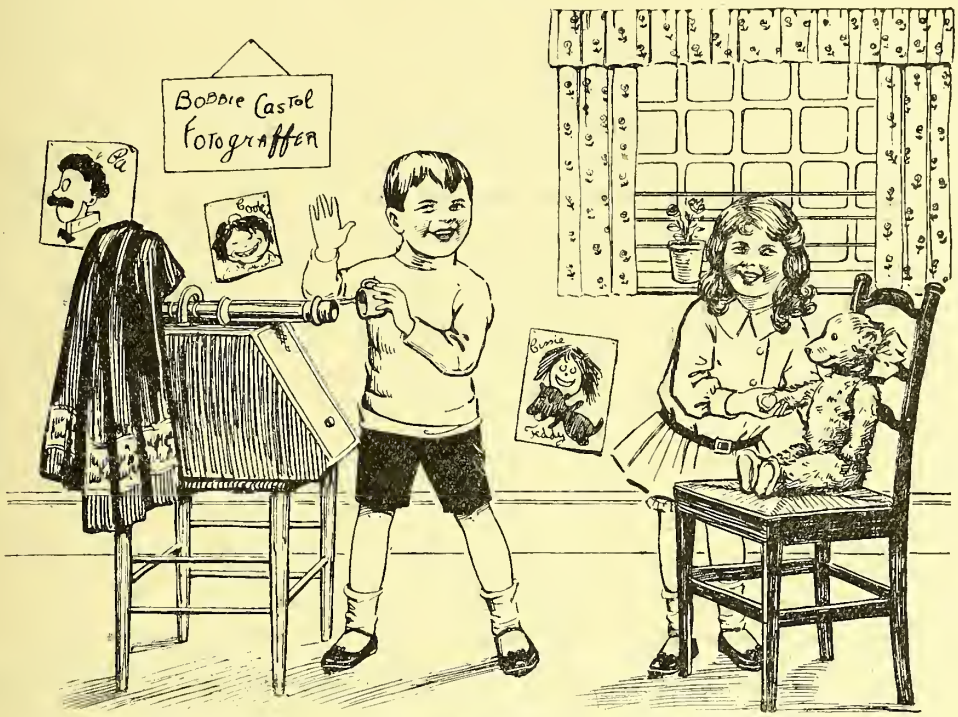
SMALL TOOTH COMBS.

239	White celluloid	3 × 1¾″	4/6
151	,, ,, ...	3½ × 1¾″	5/6
192	Black vulcanite	3 × 1¾″	7/6
202	Black ,, ...	3½ × 2″	9/0

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated PRICE LIST, post free for the asking.

BURGE, WARREN & RIDGLEY, Ltd.

91 & 92 GREAT SAFFRON HILL——LONDON, E.C.1.



THE CASTOL KIDDIES PLAY AT "PHOTOGRAPHY."

IT is not necessary to tell Pharmacists that the sales of Castols are growing—that is a matter within their own experience. One reason is the cumulative effect of over ten years' continuous advertising in the Domestic Press, where the ingenious games of Bobbie and Cissie (see example above) are daily sending more mothers to their usual Pharmacists for ———

Castols

(Retail: 1½d. 9d., & 1/6. Trade: 12/- gross, and 6/6 & 13/- per dozen P.A.T.A.)

THOMAS KERFOOT & Co. Ltd.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C. 3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468. Telegrams— "EGDARF, FEN, LONDON."

"IRISH ELEGANCE" [Regd.]

The Winning Perfume—Fragrance of Midsummer Roses.

In three sizes	*Wholesale*	*Retail*
Small	28/- doz.	3/6
Medium	48/- „	6/-
Large	168/- „	21/-

Usual Trade Terms.

PRODUCT OF
The EVAN-WILLIAMS Co., Ltd.
18-18a Ogle Street, London, W. 1.

SHOWCARDS SUPPLIED.

Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform* and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

Branch Office in Sofia.
Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—
G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

PURE ESSENTIAL
OIL OF HOP.

Singly and fractionally distilled.
HIGHEST CONCENTRATION AND PURITY GUARANTEED.
Prices, samples and information from the distillers:—
WHITE, TOMKINS & COURAGE, LTD.
HEAD OFFICE:
48 Mark Lane, LONDON, E.C. 3.
And at
LIVERPOOL, BELFAST, BOSTON, and TANDRAGEE.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY
THE PHARMACEUTICAL LANOLINE CO.
Carnwath Road, Fulham, London, S.W.
WHO INVITE INQUIRIES.

A SEASONABLE LINE with a
MARKED INDIVIDUALITY

RUBY CORN PLASTERS

THEY are smartly packed in convenient pocket-size tins on attractive showcards.

THEY retail at a reasonable price, and still show a substantial profit to the retailer.

THEY literally dissolve corns, and consequently sales are continually increasing.

THEY give infinite satisfaction to both retailer and user.

Price - - - 4/- per doz.

Mounted on an attractive showcard, *as illustrated.*

CUXSON, GERRARD & CO., LTD.

OLDBURY, near BIRMINGHAM.

ESSENFLOUR PRODUCTS LTD.

MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
CARDAMOM OIL
CALAMUS ROOT OIL
CORIANDER OIL
CINNAMON BARK OIL
CINNAMON LEAF OIL (a Speciality)
CLOVE OIL B.P.
DILL OIL (East Indian)
EUGENOL
GINGER OIL
NUTMEG OIL
PATCHOULY OIL
VETIVERT OIL (S. Indian)

Sole Agent for Europe—

K. B. MAVLANKAR

26/27 Hatton Garden, LONDON, E.C.1

and 29 Corporation Street, MANCHESTER.

1

RESTUCCIA'S Pure Sicilian Oils.

LEMON
ORANGE
BERGAMOT

Finest quality with a world-wide reputation.

THE
CITRUS BRAND and MANUFACTORY
(G. A. RESTUCCIA, Manager)
MESSINA - - ITALY.
(Established 1860)

LONDON AGENTS:
J. ALEXANDER & PRICE, Ltd. - 5 Idol Lane, E.C.3

OILS

IN CASES OR BARRELS

Peanut — Soya Bean
Maximum 2% Acidity
Linseed — Rapeseed
Peppermint — Cocoanut

POTATO STARCH
(Farina)
VEGETABLE WAX
INSECT POWDER
CAMPHOR, REFINED

We shall gladly quote by cable, c.i.f. any port in the world.

Our firm is entirely owned and operated by British and Americans.

THE MUTUAL TRADERS
24 NAKAYAMATE-DORI, 2 CHOME, KOBE, JAPAN.
Cable Address: "SIMSLAND."

(8)

"THE GENUINE" EAU DE COLOGNE

OF

JOHANN MARIA FARINA, GEGENÜBER DEM JÜLICHS-PLATZ

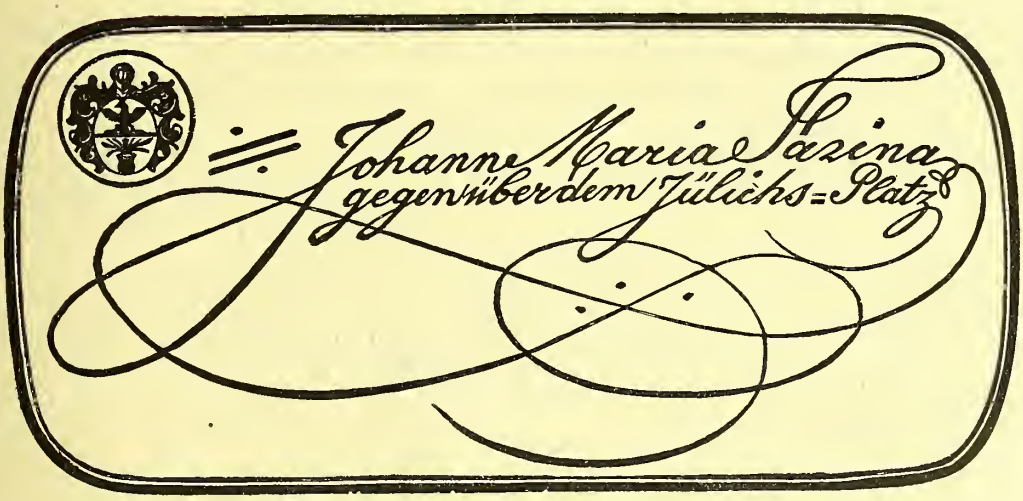
COLOGNE

HAS had a world-wide reputation for over 200 years, and has obtained the highest awards at all International Exhibitions—London, 1851 and 1862; Paris, 1855 and 1867; Grand Prize, Paris, 1900.

IT SELLS at sight because it is known to be the genuine and original Eau de Cologne, and its composition has never varied in the slightest degree since it was invented over two centuries ago by the ancestor of the present maker.

PRICES are less than those of any other first-class brand on the market, and Pharmacists are assured of a most generous margin of profit, while the incomparable quality guarantees repeat sales.

THE LABEL



is probably the most widely imitated Trade Mark in the world—but note the inverted "r" (almost like a "z") in the name Farina—no less than thirteen actions have been successfully brought in the High Court of Chancery to protect it.

TERMS and PRICES, which are highly advantageous, may be obtained on application to the British Empire Distributors:

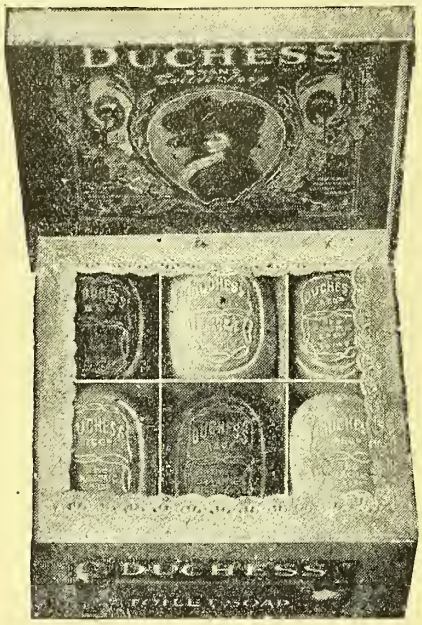
BLACKALLER & PLEASANCE

8 LAURENCE POUNTNEY HILL : LONDON, E.C. 4

Duty-paid stock of all sizes for immediate delivery, Carriage Paid. Bonded Stock for Export.

Particularly attractive showcard, 6 in. by 8 in., sent on application.

An established favourite and ready seller.



"DUCHESS"

ASSORTED

TOILET SOAP

4½d. Tablets.

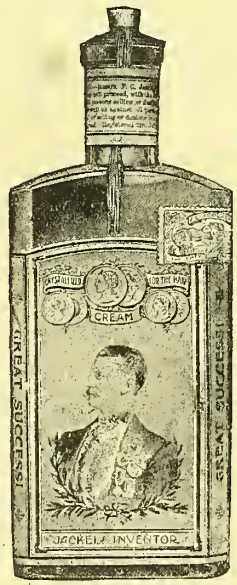
PRICE PROTECTED. NO CUTTING.

SALE RESERVED
exclusively to Chemists

Ask us to quote for your "Own Name" soap. We can please you in quality and price. Samples free.

ERASMIC Perfumers WARRINGTON.

"Jackel's Cream"



CRYSTALLISED
1/9 CREAM 2/6
Trade Mark attached to each bottle.

(without Grease)
for THE HAIR
Sold everywhere
Established 1883.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

Jackel et Cie (of Paris) Ltd..
Sauchiehall Street
GLASGOW.

Royal Seal

OVER 300

new accounts for this line have been opened this month These wide-awake buyers are reaping the benefit of our

FREE LOCAL ADVERTISING SCHEME

What are YOU doing?

Royal Seal sells at 1/6 a large jar. Costs you 12/- doz. carriage paid, and gives general satisfaction. Write for particulars of our new scheme of publicity for your town.

JULES FRÈRES, LTD.
154 WALWORTH ROAD, LONDON, S.E. 17

Preparations for the Feet.

Good Sellers during the Hot Weather.

"DURAPEDE"

A liquid application for tender and hot feet. No bathing necessary. It is applied to the feet with a sponge night and morning.

4-oz. bottles - 7/9 per doz.
10 „ „ - 14/6 „ „

Name and Address printed free on 3 dozen lots. Showcards supplied.

"EASIPED" Antiseptic FOOT BATH TABLETS

FOR KEEPING THE FEET COOL AND HEALTHY.

In bottles of 20 tablets at 5/- per doz.
„ „ „ 40 „ „ 8/- „ „

Name and Address printed free on 3 dozen lots. Showcards supplied.

C. R. Harker, Stagg & Morgan, Ltd.

DEVON WHARF AND BELL WHARF,

EMMOTT STREET, MILE END, LONDON, E. 1.

REDUCED PRICES.

Toilet and Medicinal Preparations packed in Collapsible Tubes.

TOILET PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Cold Cream	2/8	4/-	5/9	doz.
Glycerine & Honey Jelly... ...	2/10	4/4	6/2	„
Oatmeal Cream	3/1	5/-	7/-	„
Shaving Cream	—	9/-	—	„
Toilet Lanoline	2/8	4/-	5/9	„
Solid Brilliantine	2/10	4/4	6/2	„
Vanishing Cream...	2/8	4/-	5/9	„

MEDICINAL PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Blue Ointment	5/2	8/9	15/9	doz.
Boracic „	2/10	4/4	6/2	„
Calomel „	4/10	8/-	14/-	„
Capsicum „	3/2	4/10	7/-	„
Sulphur „	4/-	6/2	10/6	„
Zinc „	3/10	5/6	9/3	„
Borated Petroleum Jelly	3/2	4/10	7/-	„
Capsicum „ „	3/4	5/-	7/8	„
Carbolized „ „	3/2	4/10	7/-	„

Customer's name FREE on 3 dozen of any one preparation.

BONUS.—With an order for 2 gross assorted Preparations, we will give a bonus of 1 dozen 1-oz. tubes of any Toilet Preparation.

Telephone: HOP 4170 (2 lines).

WILLIAM TOOGOOD LTD
77, SOUTHWARK ST
LONDON, S.E.1.

Telegrams: "TOOGOOD, BOROH, LONDON."

Where Quality Reigns Supreme

OUR WEEKLY MESSAGE.

Every day sees DE LUZY lines more firmly established in the market, principally because of their very fine quality. Their beautiful presentation, together with a steadily increasing publicity propaganda, is always contributing to their greater success.

* * *

Daily we are making new friends. Will you investigate this series to-day ?

POUDRE DE LUZY

in display boxes bearing celebrated DE LUZY Poster.

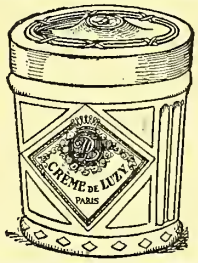
10½d. 1/9 3/6

P.A.T.A.

Less 33⅓ %

BONUS TERMS BETTER.

CRÈME DE LUZY



A vanishing Cream containing a trace of grease.

EACH IN CARTON IN DAINTY DISPLAY BOXES.

1/3, 2/6, 3/9 P.A.T.A.

LESS 33⅓ %

PERFUMES DE LUZY

Flower Odours ... ... 5/- & 15/- P.A.T.A.
Origan, Ambre or Chypre 5/6 & 17/6 P.A.T.A.

Each in distinguished box. Splendid quality.

Discount 33⅓ %

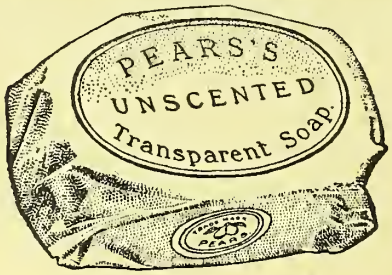
BONUS TERMS BETTER.

SAMPLE PARCEL 16/- CARR. PAID.

Containing 1 x 10½d. Poudre, 1 x 1/3 Cream, 1 x 5/- Perfume, 1 x 15/- Perfume.

Sent on request.

W·H·CALNAN & Co LTD.
30-32 LUDGATE HILL, LONDON, E.C.4.



Pears' trade is growing every week; Pears' customers are increasing every day. Are you getting your share of this new business?

Pears

A. & F. Pears, Ltd., 71-75, New Oxford Street, London, W.C. 1

FOR LARGE BUYERS.

DENTAL CREAMS

ALSO

Vanishing Creams, Shampoo Powders, Pomade Hongroise, Brilliantines, Dry Shampoo (Liquid), Bay Rhums, Toilet Paraffins, Lime Creams, Shaving Sticks, Tooth Powders, and all Toilet Goods.

LOW PRICES for HIGH QUALITY.

C. A. STOKES & CO., Ltd.
Manufacturing Chemists and Perfumers,
11 ECLIPSOL WORKS - BRISTOL.
LONDON SHOWROOM—
City Press Chambers, 149 Aldersgate Street, E.C. 1.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9
Wholesale: 26/- PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6
Wholesale: 42/- PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

MOORLAND PHARMACY SERVICE

W.B. Cartwright, Ltd.

RAWDON NEAR LEEDS.

The Leading House of Ideas for Pharmacy.

Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling.

We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.

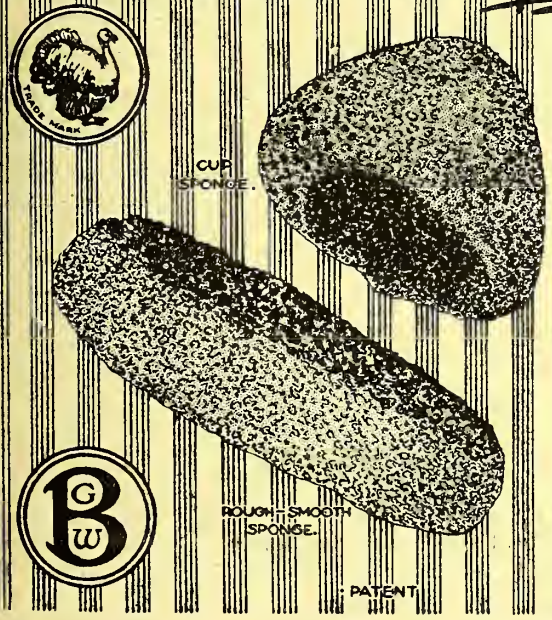
We are in an unique position to give you the best provided your lines are such as we can have confidence in.

Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have ***the*** line we can create ***the*** market for you.

ADDRESS
PUBLICITY DEPT.

MOORLAND
PHARMACY SERVICE

Choose the Best Quality!



BELDAM
PURE RUBBER "TURKEY"
SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.

Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.

Write for full price list.

Sole Selling Agents

• MOORLAND •
PHARMACY SERVICE
W·B·CARTWRIGHT LTD.
• RAWDON Nr. LEEDS •

124 Lines *for* Packed Goods

were included in one order recently received by us from a customer. This chemist pushes his own specialities, and, like hundreds of other keen business men, comes to us for them. Are you on our list? If not, just drop us a line, let us know your requirements and we do the rest. Keep down that ever-increasing Patent Account of yours by pushing your own goods. For instance, have you a good healing ointment to put against the largely advertised, but non-profitable, remedies on the market? If not, we shall be pleased to mail you a full-size sample of "UNISALVE" Skin Healer for your consideration. Price 6/- doz., sells at 1/- (showcards).

We are holding a large quantity of Ointment Tins, plain or gilt, at very low figures. A card from you will bring along samples and quotations.

We pack everything necessary to a Chemist's Business.

ROBERT BLACKIE, Wholesale Manufacturing Chemist,

Shen Works, Tower Bridge Road, LONDON, S.E. 1.

WRITE FOR OUR NEW ILLUSTRATED PRICE LIST.

Telegrams: "Ushenspuna London." Telephone: Hop 2415.

CARRIAGE PAID
ANY AMOUNT—ANYWHERE.

Brillantines, Hair Creams, Bay Rhums, Vanishing Creams, Glycerine and Cucumber, etc. etc.

French Face Powders, Soaps, etc. Puffs, Manicure Requisites, Tooth Brushes, etc.

A NEW LINE!

Crystal Brillantine

Beautifully packed in 3-oz. bottles, fitted with Sprinklers, Transparent Labels.

9/6 per doz.

Produced in SIX Elegant Colours.

THE ABBEY COMPANY, Ltd.

4 Clerkenwell Green, E.C. 1.

Telephone No.: Central 9693. Telegrams: "Abbefumery, Smith, London."

Is Your Stock Up-to-Date?

It is not if it does not include

"SINIMERI"

A NEW LINE for NEW TIMES.

Beautifully packed in Gold-Plated Vanity Boxes with convex mirror inside the lid.
The only line of its kind on the Market.
A Seller with a big future. Place your order now.

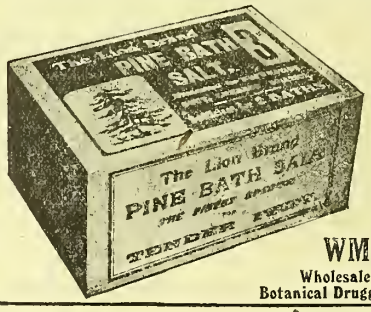
Full particulars may be had from the Manufacturers—

Vanities Unlimited, 108 Waverley Rd., Bradford.

☞ THE *LINE with the QUICK REPEATS!*

"Lion Brand" PINE BATH SALT

per **3d.** Packet.



Best Wholesale Terms—

Gross Lots	Per Gross	
1	22/6	less 2½%
2	22/6	„ 5%
5	22/6	„ 10%
20	22/6	„ 15%

1 Gross Lots and over, Carriage Paid.

WM. FOX & SONS

Wholesale Botanical Druggists, **SHEFFIELD**

YOU HAVE BEEN USING VOL. 1 OF

THE EXTRA PHARMACOPŒIA

17th. Edition

(MARTINDALE and WESTCOTT)

May we have your order for

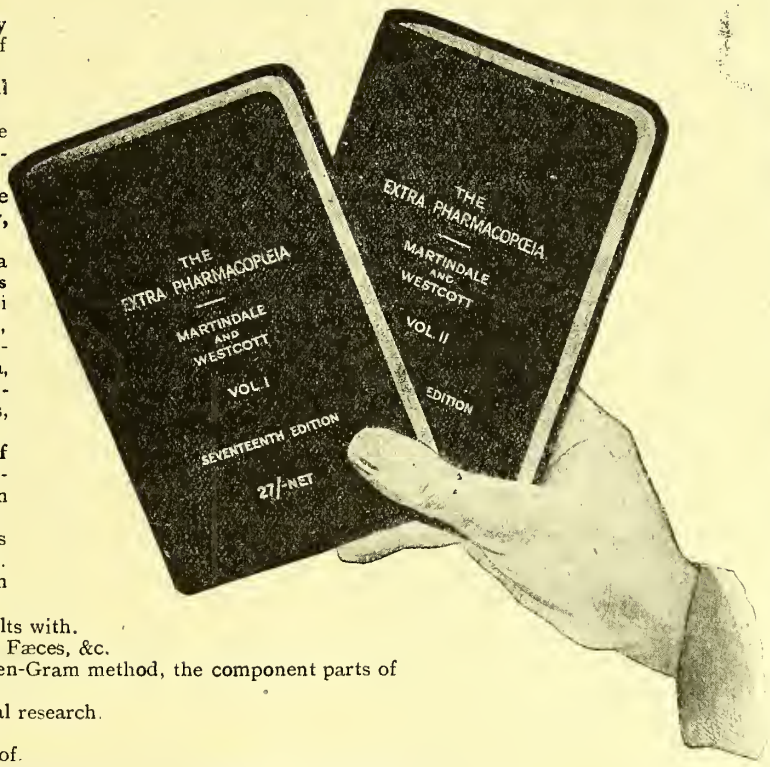
The SECOND VOLUME?

Now ready. 688 + xxxii pp., **17/6** net; post free, **18/-**

The book forms a **SUPPLEMENT** to Vol. 1, and deals with a diversity of subjects in a readily accessible form.

HERE ARE A FEW:

Materia Medica from the assay point of view–the evaluation of drugs.
Biological or Physiological Standardisation.
Accessory Food Factors. (The effects of heating and over-milling.)
Organotherapy. The active principles of Thyroid, Pituitary, Suprarenal, etc.
Bacteriological Information on a number of **Special Diseases** (Acne, Ankylostomiasis, Beri Beri, Diphtheria, Dysentery, Gas Gangrene, Gonorrhœa, Influenza, Leishmaniasis, Malaria, Syphilis, Trypanosomiasis, Tuberculosis, Typhoid, Typhus, Weil's Disease, etc. etc.
Hydrogen Ion Concentration of the Blood. Details of preparing Standards, Colloidin sacs, Technique.
Iontophoresis. The chemicals used, strengths and methods.
Radiology. The latest data in X-Ray therapy.
Radium.—Recent valuable results with.
Clinical Analysis, Blood, Urine, Fæces, &c.
Staining Methods, *e.g.* the Jensen-Gram method, the component parts of Giemsa's Stain.
Culture Media for bacteriological research.
Water, Milk, etc., analysis.
Mineral Waters. Composition of.
Proprietary Medicines, including data on the new Proprietary Medicines Bill.



You will receive a full descriptive leaflet in a few days.

Your Order may be sent direct to—

H. K. LEWIS & CO. Ltd., Medical Publishers,
136 Gower Street, London, W.C. 1.

Or to **W. MARTINDALE, Manufacturing Chemist,**
10 New Cavendish St., London, W.1. Or to any Bookseller.

PEDICULOSIS

"DERBAC" *(Disinfestant)* SHAMPOO SOAP

For the safe, quick and effective destruction of Pediculus Humanus and the embryo in the nit **without the slightest injury to either skin or hair.**

Quickly destroys
Pediculus Capitis
Pediculus Corporis
Phthirus Pubis
and the
Embryo in Nit
Its occasional use prevents reinfestation.

P. A. T. A.

Exhaustive tests have been carried out under the supervision of the medical and nursing staff in one of the largest school clinics in this country; **"DERBAC" *(Disinfestant)* Shampoo Soap,** with one application, successfully and completely complied with the stringent test conditions set by medical officers, viz., *That the lice be destroyed, that the embryo in the nit be destroyed, and that no injury be done to either skin or hair.*

A MEDICAL OFFICER of high standing reports: "I have definitely established the fact that the Embryos are killed and undergo disintegration in the nit after treatment with your soap."

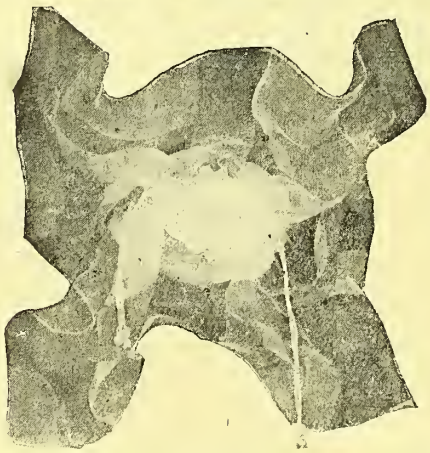
"Derbac" Soap is sold at 6d. & 1/- per tablet.

Write for full particulars and Trade Price List.

PATENTEES AND MANUFACTURERS:

SAPON SOAPS, Ltd., London Bridge, E.C.4.

PUFFS!



CHEMISTS who stock our lines do not
FEAR COMPETITION.
We are Manufacturers and have our own exclusive designs,

SILK BAG PUFFS (Silk-Lined) - - **6/6** per doz.

SEND FOR OUR ASSORTED £1 PARCEL.

Wholesale and Shipping Supplied **WILLIAMSON BROS.** Phone: HOP 3419
16 Southwark St., S.E.1. (London Bridge).
(Controlled by ex-Officers).

Orisal Regd.

The Original & Successful Remedy for PYORRHŒA
Prescribed by the Dental Profession.

PRICES.

	Wholesale (including Government Duty)		Retail	
Dental Paste	... 22/-	per doz.	6d. 2/6	per tube
Mouth Wash	... 44/- & 27/-	,,	1/- 5/- & 3/-	,, bottle
Special Brush	... ... 24/-	per doz.	2/6	each
Dental Tooth Powder (Large Size)	18/-	,,	2/-	,,

Of Wholesalers, or direct from

ORISAL Ltd., 77 George St., Portman Sq., W.1.
Telephone No.: Mayfair 2899.

STRODONIA Vanishing Cream.

NOW SUPPLIED IN
ALUMINIUM
SCREW-CAPPED JARS.

10½d. size—7/6 doz. 1/3 size—10/6 doz.

FROM LONDON WHOLESALERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £2/10/0 subject to ½-doz. 1/3 size Bonus for window display, net.; £1/10/0 subject to ¼-doz. 1/3 size Bonus for window display, net. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

Send to-day for this new Showcard (0478) *in natural colours*

TRADE MARK **'WELLCOME'** BRAND

Toilet Lanoline

It brings business for a profitable product of the highest grade.

'Wellcome' Toilet Lanoline is supplied in collapsible tubes of two sizes, at 7/6 and 15/- per dozen.

(Subject to usual terms)

BURROUGHS WELLCOME & CO., LONDON

G 977

COPYRIGHT

SULPHUR TABLETS

made with Sulphur Precip. and flavoured with the purest Ol. Orange.

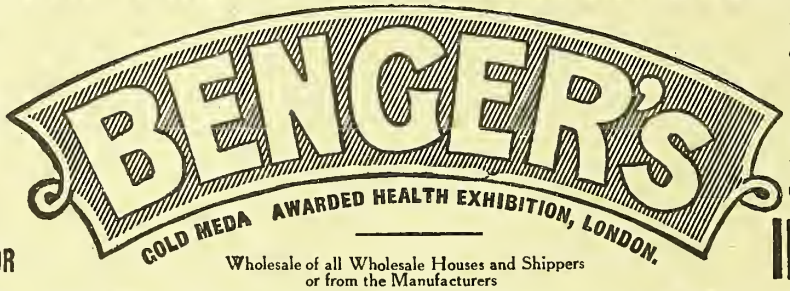
28 lb. **1/7** per lb. 56 lb. **1/6** per lb. 112 lb. **1/5** per lb.

Plentiful supply of show material and cartons free.

Arthur H. Cox & Co. Ltd. Manufacturing Chemists Est. 1839 Brighton

The *Lancet* describes it as "Mr. Benger's admirable preparation."

FOOD FOR INFANTS



Wholesale of all Wholesale Houses and Shippers or from the Manufacturers

BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.

Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A. Canadian Agents: The National Drug and Chemical Co., Ltd. Montreal and Branches.
SHOWCARDS AND HANDBILLS ON APPLICATION.

The *British Medical Journal* says: "Benger's Food has by its excellence established a reputation of its own."

INVALIDS AND THE AGED.

If you can't get them to stop

at your window (and they want some stopping now) just try the show illustrated below. It 'gets there' every time and brings the customers up to the counter readily, to buy Zepto Pencils and other dental goods as well. Sedate, yet attractive, quietly convincing, persuasive without soapiness, and truthful without being assertive, is the 'We Three.'

ZEPTO PENCILS

NOTE. With a 6-doz. 'Show Order' order we give 'We Three,' four new counter cards, and four 'Talking' hang-up window cards. The combination of all make selling automatic and the profit of 50% on selling price a gift. NOTE.

5/3 doz. **Each 9d.**

THOS. CHRISTY & CO. • • Old Swan Lane, E.C.4.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

Subscription Rate. TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy 9*d*. post free; *Diary*, 10*s*. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20*s*., franco

Il prezzo dell'abbonamento annuo è di 20 sc. franco, e s'intende per un numero settimanale del periodico, ed un esemplare del diario annuale.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

Terms for Advertising may be obtained on application to the Publisher.

HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).

BRANCH OFFICES: 49 County Buildings, Old Millgate, MANCHESTER. MELBOURNE and SYDNEY, AUSTRALIA.

CONTENTS.

No. 17. Series 2152. Vol. 94.

	PAGE		PAGE
At the Counter	41	French News	37
Bankruptcy Reports	39	Information Department	46
Books, New	44	Insurance Act Dispensing	42
Business Changes	39	Irish News	36
Chemists' Defence Association, Ltd.	51	Legal Reports	39
Chinese News	38	Marriages	45
Colonial and Foreign News	38	New Companies and Company News	40
Coming Events	33	Observations and Reflections	47
Correspondence:		Personalities	44
Letters	63	Photographic Fair	54
Legal Queries	64	Poisonings	34
Miscellaneous Inquiries	64	Proprietary Articles Trade Association	53
Deaths	45	Retail Pharmacists' Union	53
Editorial Articles:		Retrospect	64
Cost of Chemists' Defence	48	Scottish News	37
New Revenue Bill	49	Society of Public Analysts	40
German Poison-gas Factories	49	Trade-marks	46
Printed Matter Post	50	Trade Notes	46
Dangerous Drugs Regulations	50	Trade Report	58
English News	33	Tuba Root	41
Essential Oil Imports	57	Westminster Wisdom	55
Festivities	43	Winter Session	56

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, April 25.

Ealing Pharmacists' Association, Town Hall, at 8.30 P.M. Mr. S. Jamieson on "Petroleum from the Wells to the Pharmacy."

Royal Society of Arts, John Street, Adelphi, London, W.C. 2. Dr. S. Judd Lewis on "Recent Applications of the Spectroscope and the Spectrophotometer to Science and Industry" (Cantor Lecture III.).

Wednesday, April 27.

Edinburgh Chemists' Golf Club. Fixture at Kingsknowe.

Thursday, April 28.

Retail Pharmacists' Union (West Ham Branch), Y.M.C.A., Woodgrange Road, Forest Gate, London, E. Inaugural dinner and musical evening. Reception, 5.30 P.M.; dinner, 6 P.M.

Scottish Pharmaceutical Federation (Edinburgh Branch), Goold Hall, Room No. 11, at 8 P.M. Annual meeting.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Pharmaceutical Society of Great Britain.

The following candidates were successful in the Major examination held in London this month. Thirty-five candidates were examined, and twenty-one passed:

Burton, T. Mary	Osborne, P. May
Davies, R. M.	Phillips, John
Dyer, F. J.	Preston, C.
Harry, C. R.	Rowson, R. H.
Hart, J. F.	Shields, E. H.
Hewitt, C. A.	Stephenson, Douglas
Hines, C. T.	Storey, Naomi P.
Hudson, H. R.	Twydell, L. H.
Jones, G. F.	Woodnoth, P. H.
Matthews, L. G.	Wynne, W. F.
Newman, F. H.	

Contracts.

Pembroke Guardians have accepted the tender of the "Sanitas" Co., Ltd., London, E. 14, for soap.

Blackburn Guardians have accepted the tender of Openshaw & Co. (Blackburn), Ltd., manufacturing chemists, for sundries.

The following Government contracts, among others, have been notified:

Admiralty.—*Soap*.—John Knight, Ltd.

Crown Agents for the Colonies.—*Candles*.—Price's Patent Candle Co., Ltd. *Drugs*.—Burgoyne, Burbidges & Co., Ltd.; Howards & Sons, Ltd. *Glass*.—Pilkington Bros., Ltd. *Novarsenobillon*.—May & Baker, Ltd. *Quinine*.—C. R. Harker, Stagg & Morgan, Ltd.

High Commissioner for India.—*Ebonite*.—The North British Rubber Co., Ltd. *Microscopes*.—Standley, Belcher & Mason, Ltd.

H.M. Prison Commission.—*Drugs*.—Burgoyne, Burbidges & Co., Ltd. *Soap*.—Price's Patent Candle Co., Ltd.

We learn from Burgoyne, Burbidges & Co., Ltd., manufacturing chemists, East Ham, London, that they have again secured the War Office contract for the supply of medicines for three years. The contract, which covers supplies of pharmaceuticals to the Army, the Air Ministry, the Ministry of Pensions, and the Veterinary Service, has been held by the company continuously since 1907.

Spurious Razor Blades Imported.

At Bow Street Police Court, London, on April 19, Max Gerson, diamond merchant, was charged on remand with applying a false trade description to razor blades imported from Germany (*C. & D.*, April 9, p. 35). Mr. William Edward Marshall, a director and secretary of Gillette Safety Razor, Ltd., giving evidence, said that their razors and blades were made at Boston, U.S.A., and Montreal, Canada, whence they were despatched to London. Their trade-mark was registered. He had examined a packet of the blades seized at Dover, and also the packet given up by the defendant on arrest, and he found they were not of the Gillette manufacture. The Gillette Co. had not exported any blades to Germany. The prosecuting solicitor pointed out to the magistrate that "ower" instead of "over" appeared on the spurious blades. The defendant, in the witness-box, said that in January, while in Germany on business, he was introduced to a man named Greatz. Subsequently 160 boxes of these blades were delivered at his hotel in Berlin, and he paid Greatz 67*l*. 10*s*. for them. The arrangement was that he was to dispose of them at 12*s*. a gross and was to get 5 per cent. Anything above the 12*s*. he was to retain, and if he made no profit he was to return the goods and he would have his money returned. A fine of 20*l*., with 10*l*. 10*s*. costs, was imposed, the spurious blades to be forfeited. Notice of appeal was given.

Poisonings

The following cases of fatal poisoning have been recorded since our last report:

At Wolverhampton, John Gee, manufacturer's clerk, committed suicide by taking lysol.

B B

At Farnborough, Kent, Thomas Money, plumber, committed suicide by taking spirit of salt.

At Wimbledon, S.W., Jane Barnard died from drinking "carbolic disinfectant" in mistake for stout.

At Fulham, London, S.W., May Foster, married, died from accidentally swallowing lysol while gargling.

At Poplar, London, E., William Latham, labourer, committed suicide by taking phosphorus paste while of unsound mind.

John Parker, a taxi-driver living in Islington, committed suicide by taking oxalic acid. The verdict returned by the jury at the inquest included a mention of "temporary insanity brought on through the strike."

An inquest was held recently at Starbeck, Harrogate, on the body of Mary Bentley, a nurse. Evidence adduced suggested that the cause of death was narcotic poisoning, and it was stated that an empty vial which had contained morphine tablets, and a hypodermic syringe, had been found. A verdict of "Death by misadventure" was returned.

An inquest was held at Rushden, on April 13, on the body of Beatrice Reeves, married, who died after drinking spirit of salt. An unusual feature of the case was that the woman, who had been an invalid for fourteen years, persuaded a child aged twelve to administer half a winegiassful of the acid to her and then sent her on an errand. A verdict of "Suicide during temporary insanity" was returned.

Inquests on Chemists.

An inquest was held in Ealing recently on the body of Mr. Edwin Dawson, chemist and druggist, 80 Pittshanger Lane, W. 5. The evidence showed that Mr. Dawson, who had been in business in Ealing for fifteen years (see p. 45), was in the habit of going for a walk after business hours. On the evening in question he was knocked down by a motor-van while walking, and on arrival at Ealing Hospital was found to have sustained a compound fracture of the left leg and other injuries. He was unable to make any statement, and died within a few hours. The coroner recorded a verdict of "Accidental death," and remarked that he would draw the attention of the Ealing town council to the desirability of placing additional lamps near the place where Mr. Dawson was fatally injured.—An inquest was held in South London, on April 20, on the body of Mr. Arthur Coupland, chemist and druggist, 253 Rye Lane, S.E. 15. Evidence given by his widow showed that for a few days prior to his death, which occurred on the night of April 15, Mr. Coupland had complained of pains that he attributed to indigestion. Eventually he fell to the ground in an unconscious condition: there was considerable difficulty in finding a medical man, and her husband died before one arrived. A medical witness attributed death to heart disease, accelerated by tuberculosis of the right lung, and a verdict was returned accordingly.

Birmingham.

The number of patients suffering from infectious diseases is on the decline.

The manager of a well-known chemist's shop estimates that only 20 per cent. of the turnover is from pharmacy, the remainder being from side-lines.

Described as a chemist, William Key, Lower Loveday Street, was fined 3*l.* at the Alcester Police Court, on April 18, for driving a motor-car without a licence.

Neither the number nor the voracity of the rats in the district shows signs of abating. The rodents recently gnawed through a leaden water-pipe, resulting in the flooding of an adjacent shop.

Students of botany should note that at the present time there is an exhibition of famous works on that subject at the Reference Library, Radcliffe Place, Turner's "Herball" (1568) being the earliest.

A traveller, after calling on many clients who said "There is nothing doing; don't open your cases," decided in desperation to open them at his next call, for, he remarked, "I have not seen the things myself for a fortnight."

At the meeting of the local section of the Society of Chemical Industry on April 14, a paper on "The Commercial Generation of Pure Hydrogen and the Catalytic Hydrogenation of Oils" was read by Mr. E. B. Maxted, Ph.D., one of whose books is reviewed in this issue (p. 44).

A letter in the "Birmingham Mail" of April 15 criticises the manner in which "the average local chemist" dispenses Insurance medicines. The following is an extract: "Dirty labels, dirty corks, bottles unwrapped or wrapped in newspaper is the general rule. Chemists are well enough paid for this work, as stock mixtures are mostly prescribed, and there should be no distinction made between Insurance and private prescriptions, either in drugs or 'finish.'"

Liverpool.

Mr. L. Walker, Manor Pharmacy, Great Crosby, has acquired adjacent premises.

The reports of Mr. S. Hardy's illness cause considerable anxiety to his many friends.

The check to business is causing general depression. Numerous Atlantic and Eastern ships are coaling at Panama.

The Liverpool Chemists' Association has received an invitation to attend a demonstration by the Liverpool Microscopical Society.

General sympathy is extended to Mr. F. C. Cooling, Ph.C., Birkenhead, who has suffered a sudden bereavement by the death of his wife (see p. 45)

Mr. P. G. Jenner, chemist and druggist, West Derby Union dispensary, has been elected to the management committee of the local branch of the National Poor Law Officers' Association.

The news of the unexpected death in London of Mr. J. W. Deakin, J.P., Northwich, came as a painful shock. Mr. Deakin had recently attended "Rexall" and "Ucal" meetings in Liverpool, and but a few months ago addressed the students of the Blackburne Place School of Pharmacy.

The lecture by Mr. Frank Wokes, Ph.C., the first member of the Liverpool Chemists' Association to give his war experiences (*C. & D.*, April 16, p. 43), formed a fitting finale to a highly successful session. It is to be hoped that the lecture, admirably delivered and illustrated, may be heard by not a few other associations.

Scarborough.

It is hoped to issue the draft programme of the social events in connection with the British Pharmaceutical Conference during the present week.

At the Grand Hotel (the Conference headquarters) 150 rooms have been reserved for visitors to the Conference; early booking, however, is necessary.

Two Scarborough pharmacists have been appointed vicar's warden at their respective churches, in each case for the third time—Mr. T. W. Longdin at St. Thomas's and Mr. H. M. Hirst at Holy Trinity.

Sheffield.

The election of officers in the local branch of the Retail Pharmacists' Union is shortly to take place.

The students' second annual ball, held at the Imperial Rooms on April 14, proved a great success. Mr. Jacklin acted as M.C.

Wallace Heaton, Ltd., have an effective window-show, a lattice-work arch and spring foliage making an appropriate setting for cameras.

Nominations for the council of the Sheffield Pharmaceutical and Chemical Society should be forwarded to the secretary not later than May 1.

Articles for Miss Buchanan's stall (in aid of the Pharmaceutical Society's Benevolent Fund) at the Chemists' Exhibition should be sent to Mrs. J. Gilbert Jackson or Mr. Hammond.

Miscellaneous.

Wine-licence Granted.—At Ironbridge, recently, a wine off-licence application by Mr. T. Freeman, chemist and druggist, Broseley, was granted.

Annual Closing-day for Shops.—The Morecambe chamber of trade and the Morecambe Small Traders' and Motor Proprietors' Association have selected June 1 as the date of an annual "tradesmen's holiday."

Shop-windows Scratched.—Several plate-glass windows in and around London have been defaced of late: in no case, however, has a window been broken or property stolen. It may be remembered that the same trouble has been experienced recently in Manchester and Liverpool. Among the London victims are Parke's Drug Stores, Ltd., two of whose branches have suffered damage.

Cost of Living.—It is announced in "The Labour Gazette" that, on April 1, the average level of retail prices of all the commodities taken into account in Ministry of Labour statistics was 133 per cent. above that of July 1914, as compared with 141 per cent. a month previously and 176 per cent. on November 1, 1920.

Poison-licence Applications.—Applications for licences for the sale of agricultural and horticultural poisons have been made by the following traders to the respective local authority: Mr. J. H. Booth (trading as William Prestwich & Sons), Longridge; Mr. F. T. Gascoyne, Amersham; and Strong & Williams, Ltd., Weymouth.

Advertisement Sale.—An advertisement by Durbin's, chemists, 24 Market Place, Kingston-on-Thames, in the local Press offers two articles of various kinds for the price of one *plus* 1*d.*, among them being vacuum flasks, tooth-brushes, bottles of perfume, and 1-lbs. of Epsom salts. A similar sale "to introduce" was recorded in our issue of March 5 (p. 49).

Fires.—The following outbreaks of fire have been recorded since our last report: A fire occurred on the premises of Chalmers & Son, chemists, Newport (Shropshire), recently; it was soon subdued, and the damage was not extensive.—At the premises of Boots (Southern), Ltd., Rushey Green, Catford, London, S.E., recently, a slight outbreak of fire, attributed to an oil lamp, caused damage to the stock and fittings.

Shopping Week.—A "shopping week," organised on a comprehensive scale by the Hereford chamber of commerce, has just been successfully carried out. A trades and crafts exhibition, free concerts, and competitive window-dressing were some of the principal features; and they attracted a large number of visitors. Mr. F. Lewis Smith, chemist and druggist, Commercial Road, had a tastefully arranged stand of specialities at the exhibition, and, in a fancy motor-car and cycle parade, was represented by a medicine-bottle four feet high.

Students' Visit to Works.—Students from the Bradford Technical College, numbering about thirty, under the charge of Mr. J. W. Cooper, Ph.C., recently visited the Sovereign Street laboratory of Goodall, Backhouse & Co., manufacturing chemists, Leeds. The new plant for the manufacture of galenicals (*C. & D.*, April 9, p. 478) was fully explained by the works chemist, Mr. F. J. Symonds, Ph.C., and Mr. W. W. Teale, chemist and druggist, works manager. Mr. W. P. Bowman, proprietor of the firm, subsequently entertained the visitors to tea.

Draft Regulations for Aerated-water Trade.—The Home Secretary has prepared draft Regulations for the manufacture of aërated water and processes incidental thereto, in substitution for the Special Rules that have been in force since the year 1888. These Rules form one of the few such codes of Rules remaining, and it is thought desirable to convert them into general Regulations. The draft Regulations require the provision of protective clothing and first-aid arrangements. Objections may be lodged with the Home Secretary within thirty days from April 1.

Assistants' Club Formed.—Plymouth chemists' assistants and apprentices have decided to organise a junior pharmacy club. An endeavour will be made to form a tennis club and to arrange a series of monthly rambles during the summer months, as well as various forms of indoor amusement during the winter. The following officers have been elected: *President*, Mr. Richards; *Vice-President*, Miss D. Hammett; *Secretary*, Mr. M. Lee; *Assistant Secretary*, Miss W. Bull; *Treasurer*, Mr. E. U'Ren; *Committee*, Miss Greenwood, Miss Shoebrooke, Mr. Kerswell.

Scheduled Poisons in Proprietary Medicines.—At a recent meeting of the committee of the Bristol Grocers' Association, the chairman, referring to the fining of a member for selling Eade's Pills (*C. & D.*, March 26, p. 63), stated that he had endeavoured to obtain an "official" list of proprietaries containing scheduled poisons, but apparently there was no such thing in existence. He had, however, been able to get hold of the catalogue of a London druggists' sundries house containing a tabulated list of these articles, and would ask the secretary of the Association to apply for one of the latest issues of that catalogue.

Children's Painting Competition.—A competition in painting, limited to children under fourteen, has just been closed by S. Maw, Son & Sons, Ltd. The competition was promoted in order to stimulate interest in "Parex" manicure methods, and, judging from the fact that more than 13,000 entries (*i.e.*, 26,000 paintings) were received, the object in view must have been completely attained. The names of the principal prize-winners are: (1) Miss D. Clark, 191A Latchmere Road, Lavender Hill, S.W. 11; (2) Miss P. Shaw, 42 Weltje Road, Hammersmith, W. 6; (3) Miss E. A. Needham, 17 Binswood Avenue, Leamington Spa; (4) Miss G. A. Reynolds, 91 Bramfield Road, Wandsworth Common, S.W. 11; (5) Miss B. Reynolds, 7 New Town Road, Hove. Several consolation prizes have also been awarded.

Leaseholders' Meeting.—Under the auspices of the London and Suburban Traders' Federation a meeting was held at Australia House, Strand, W.C., on April 18, to protest against the refusal of the Government to adopt the recommendations of the Select Committee on Business Premises, and to demand as an alternative the immediate introduction of permanent legislation on the lines of the Town Tenants Bill. The present leasehold system, said the chairman (Alderman W. G. Perring, M.P.), in a large measure restricted progress, handicapped traders in their desire to increase their business, and penalised them for their enterprise. They therefore asked for the introduction of legislation which would give them security of tenure and compensation for disturbance. A resolution to this effect was carried unanimously.

In the Courts.—At London Sessions, on April 15, a sentence of five months' imprisonment passed on Anna (or Hannah) Rose for being in unlawful possession of cocaine (*C. & D.*, March 12, p. 47) was reduced to a fine of 50*l.* and costs.—At East Ham Police Court, on April 15, Thomas Quinlan, described as a greengrocer's assistant, was sentenced to two months' hard labour for being in unlawful possession of a Brownie No. 2 camera and a silver-backed hand-mirror.—In the High Court of Justice, London, on April 15, Mrs. Mary Ann Rawson-Briston was granted a dissolution of marriage in an undefended suit against her husband, Mr. J. Rawson-Briston, described as a chemist's assistant.—At Westminster Police Court, on April 19, Vyvyan Stuart (44), Nottingham Place, W. 1, was remanded on a charge of attempting to commit suicide. The evidence showed that on April 16 he was found in an unconscious condition at Victoria Station, and that on arrival at a hospital he admitted having taken veronal. The accused remarked in court that he had been taking 10-gr. doses of it, and on the following day, after further evidence had been called, was bound over.—At Guildhall Police Court, on April 20, Bertie Shears, carman and contractor, Denmark Street, E., was remanded on a charge of being concerned, together with a man named Hince, in stealing and receiving brushes and combs, value 3*l.* 16*s.*, the property of W. M. Strachan & Co., Ltd., merchants, Bury Court, E.C. The prosecuting solicitor estimated the company's losses by theft at nearly 10,000*l.*

Index Folio 543

Irish News.

Pharmaceutical Society of Ireland.

The following are the results of the recent examinations held in Dublin :

Pharmaceutical Licence Examination.—The following passed with honours : Michael MacManus, Lisnaskea =Albert Morrow, Dublin) ; Kathleen Ryan, Dublin ; Augustus Bourke, Castlebar. The following also passed (in order of merit) : Arthur Francis Collins, Dublin ; John Wellwood, Belfast ; Richard Laffan, Ballybrood, co. Limerick ; Richard Hall, Belfast ; Wm. Edward Briggs, Mohill ; Thomas A. Hogan, New Ross ; Thomas Henry Giff, Belfast ; Denis Vincent Sullivan, Cork ; George Kirk, Belfast ; Patrick Joseph Killacky, Dublin ; Francis P. MacDonnell, Dublin ; Michael P. McManus, Enniskillen. Fourteen candidates were rejected.

Registered Druggist Examination.—(In alphabetical order). Wm. Clements, Belfast ; Wm. James McKee, Belfast ; James Leo McKernan, Kingstown ; Joseph Kevin Murray, Carrickmacross—passed. Three candidates were rejected.

Pharmaceutical Assistant Examination.—(In order of merit.) John Thomas Herbert Orr, Castleblayney ; Thomas Robert Bourke, Longford—passed. Two candidates were rejected.

Preliminary Examination.—Mary Alice Roche, Tomhaggard ; Sarah Jane Kelly, Ballinlough ; (Patrick Joseph Lillis, Kilrush = Matthew Joseph Hanna, Naas) ; Richard McHugh, Strokestown ; Ernest Pitt, Tramore ; Wm. Francis Herlihy, Dublin ; Matthew Burke, Mitchelstown ; (Andrew Francis Loughran, Belfast = Charles O'Doherty, Drogheda) ; Kathleen Eileen Hammond, Lurgan ; (Mary Kissane, Tipperary = Mabel Elizabeth McCreight, Rathfriland) ; Eleanor Daly, Ballymahon ; Anastasia Brennan, Castlecomer ; (Ellen M. A. Phelan, Tramore = John Cleary, Draperstown = Patrick Godfrey, Ballinamore, co. Leitrim) ; Joseph Sheedy, Rathkeale ; Kathleen May Hoey, Carrickmacross ; Barbara Brangan, Kells, co. Meath ; Mary Ellen Costello, Mohill, co. Leitrim ; Wm. Henry Thomas Fulton, Londonderry ; Alexander Christopher Boles, Manorhamilton ; Edmund Higgins, Grange Con ; Robert Thompson Henry, Belfast —passed. Twenty-two candidates were rejected.

Drug and Surgical Appliances Contracts

Sumner & Co., Ltd., Liverpool, have pointed out to the Tipperary Board of Guardians, who had complained of the "unbusinesslike method of not executing the Board's requirements," that there is still a balance owing to them of 159*l*. The company has not tendered at all for Irish Unions in the South this time, on account of the condition of the country, which has led to their experiencing great difficulty in obtaining payment. Messrs. Sumner are, however, prepared to execute orders upon the terms of last year's contract provided the order is accompanied by cash. It was decided to withhold the cheque until Messrs. Sumner returned the orders, the Guardians expressing disapproval of the company's action. The Carrick-on-Suir Guardians have agreed to pay Messrs. Sumner when the Board is solvent. The amount owing is 112*l*. 4*s*. 5*d*. The General Council of Irish County Councils has notified various Boards of Guardians that an arrangement has been made whereby a discount of 20 per cent. off medicines and surgical appliances will be granted to Irish public bodies by a trading concern. The Dundalk, Drogheda, Rathdrum, and Mountmellick Boards have, therefore, postponed consideration of tenders for the present. The Balrothery Guardians are to write Boileau & Boyd, Ltd., Dublin, asking if they are prepared to allow 20 per cent. The co. Clare Mental Asylum have agreed to accept this offer when the present contracts expire. The Wexford, Gorey, Ballyshannon, and Baltinglass Guardians stated that the offer reached them too late. The Ballinrobe Guardians decided to adhere to the firms from whom tenders had been accepted. The Letterkenny Board of Guardians unanimously rescinded their acceptance of a tender of Clarke & Co., Ltd., Belfast, for the supply of medical appliances. It is assumed that this is due to the boycott of Belfast by other parts of Ireland. The Mullingar Asylum Committee have warned contractors that their contracts will be terminated if they have any dealings with Belfast firms.

Brevities.

The business carried on by the late Mr. J. W. Boggs, Ph.C., Main Street, Portrush, has been converted into a limited company.

At Lurgan an open verdict was returned at an inquest on George Carson, ex-soldier, who had died from laudanum poisoning.

At the recent Longford Quarter Sessions Mrs. Esther Greer, proprietrix of a chemist's shop in Granard, was awarded 225*l*. as compensation arising out of her claim for wilful destruction of her house and property in a recent disturbance in the town.

Mr. T. W. McMullan (Thomas McMullan & Co., wholesale druggists, Victoria Street, Belfast) has been selected as one of the Unionist candidates for co. Down at the approaching elections to the Ulster Parliament. Mr. John Walsh, Ph.C., Maghera, has been chosen as one of the candidates in the Sinn Fein interest for co. Derry. He is at present a prisoner.

At the recent Waterford Quarter Sessions Mr. J. K. Walsh, Georges Street, sued Bell Bros., chemists, The Quay, Waterford, to recover 50*l*. damages. It was alleged that a bottle of colouring, purchased from the defendants for colouring whisky, transmitted a flavour of paraffin oil to the whisky. His Honour (Judge O'Brien), after hearing evidence, said : The onus in this case was on the plaintiffs, and they endeavoured to discharge this onus by giving evidence to show that a great amount of precaution was taken in cleansing the vessels for the whisky. There was no foundation for the suggestion that Messrs. Bell had substituted another bottle, and his honour, in dismissing the action, said he believed the plaintiffs had not succeeded in discharging the onus cast upon them.

Belfast.

The wholesale druggists' section of the Belfast Chamber of Commerce has nominated Mr. Richard McCorry as chairman and Mr. W. McMullan as representative of the Council of the Chamber.

At the monthly meeting of the Camera Club on April 12, Mr. W. J. Rankin, jun., Ph.C., gave an interesting lecture-demonstration on the carbon process. Mr. Rankin has made a speciality of this branch of photography, some of his best exhibition successes having been secured with prints in carbon, and the demonstration was followed with keen interest by a large audience.

Dublin.

The unanimous co-option of Mr. Samuel Suffern, R.D., by the Council of the Pharmaceutical Society of Ireland has caused great satisfaction among Irish druggists generally, and particularly in the North of Ireland. Mr. Suffern is a Past-President of the Chemists' and Druggists' Society of Ireland, and of the Ulster Retail Drug Trade Association, and it is felt that Mr. Suffern's addition to the Council will materially cement the friendship between the two branches of the trade.

Following on a meeting of the Council of the Pharmaceutical Society of Ireland in Dublin recently, at the request of the Council, Mr. Fred Storey, President of the Chemists' and Druggists' Society of Ireland, interviewed Mr. Meeke, solicitor to the Society. Mr. John Smith, Dr. Walsh, and Mr. W. J. Rankin, Belfast, were also present. It was decided that a protest be drawn up against the amended Dangerous Drugs Act Regulations, suggesting that, owing to the differences in the Irish and English pharmaceutical laws, separate treatment should be accorded Ireland. The druggists have been ignored, and no provision is made for remedying the grievances of farmers. On his return to Belfast Mr. Storey interviewed Mr. Thomas McDowell, secretary of the Ulster Farmers' Union, who promised to co-operate in the matter.

Scottish News.

Brevities.

Owing to the industrial crisis, Aberdeen University has postponed the opening of the summer session until April 26.

Mr. J. Hetherington, chemist and druggist, Moffat, has been appointed to supply drugs, etc., to the local town council.

It is now officially established that queues have not formed up outside Renfrew chemists' shops for the purpose of obtaining methylated spirit.

The first Morayshire claim under the Reparation Act was made on April 13, when a Lossiemouth Customs officer claimed 900*l.* as being half the value of a Hamburg cargo of potash recently landed at Burghead.

At a meeting of the Dumfries parish council on April 14, the chairman reported that for a number of years a firm of chemists in the town had undertaken the supply of medicines to the council on payment of an annual charge of 120*l.* It was suggested that a saving might be effected if the medicines were purchased at current prices as required, which proposal was subsequently decided on.

Two cups, for golfers and bowlers respectively, are being presented by the Scottish representatives of wholesale houses for annual competition among pharmacists resident in Scotland. The contest (handicap) for the golf trophy is to take place at Gleneagles on June 15. Besides the cup, two medals and several other prizes will be presented. Intending competitors should forward their names before May 5 to Mr. J. Halliwell, 96 Holmlea Road, Cathcart, or Mr. George Baxter, 11 Polwarth Place, Edinburgh. The bowling trophy will be handed over to representatives of the different clubs, so that they may make arrangements for a suitable competition during the season. Each cup will be formally presented to a representative of a club at a meeting to be held in the George Hotel, Glasgow, on May 6. Any chemist interested is invited to attend.

Edinburgh.

The new partners of J. F. Macfarlan & Co., manufacturing chemists, are Mrs. D. Rainy Brown, Mr. William Russell, and Mr. J. Cross Brown, D.S.O., trustees of the late Mr. D. Rainy Brown.

A fire, resulting in damage estimated at several thousand pounds, took place on April 19 at the premises occupied by Pinkerton, Gibson & Co., Ltd., wholesale druggists, East Thistle Street Lane. The top floor, which, in addition to drugs, contained a large stock of cotton wool, was completely burned out, and the roof destroyed.

Edinburgh Chemists' Golf Club held a competition for the Pinkerton-Gibson trophy over Torphin course on April 13, with the following result: (1) Mr. W. J. Rosie, 97−16=81; (2) Mr. Jas. Finlay, 85+2=87; (3) Mr. A. J. Kearney, 95−7=88. For the next outing, at Kingsknowe, on April 27, a motor-'bus will be run direct to the course. Applications for seats must be made to the secretary not later than April 25.

Glasgow.

Glasgow University is to acquire the chemical library of the late Professor Fergusson. Two portions of the library, including books of local association, have been sold in Glasgow and London, the two realising a sum of 6,800*l.* The chemical section comprises about 11,000 books, pamphlets, and manuscripts, including some of great rarity and intrinsic value.

The musical and dramatic section of the Glasgow Pharmacy Club gave their third concert of the season before a crowded audience on April 12. The President, Mr. W. Wood Wilson, occupied the chair. The sketches by the dramatic party (under the guidance of Mr. D. G. Mackenzie) and the violin solos by Miss Nina Miller (daughter of Mr. John Miller, chemist and druggist, Dowanhill) were much appreciated, as were the songs, etc., of Messrs. R. MacAdam, Ferguson, and Reid. Miss Beatson, at the piano, performed with her usual ability. The choir was under the leadership of Mr. Robert Dickson.

French News.

(From the "C. & D." Paris Correspondent.)

German Reparations.—The Bill for levying a 50 per cent. import tax on German goods was passed by the French Chamber on April 14 by 383 votes to 79. An attempt, which was nearly successful, was made to postpone its enforcement until every other Allied nation which took part in the London Conference had voted a similar law, but was finally abandoned. An amendment was carried exempting goods ordered before March 8 or despatched from Germany before March 17.

Dr. Calmels, who was recently asked by the Fifth Committee of the Paris Municipal Council to present a report on the proposal to purchase radium and the organisation of radiotherapy, considers that France, where radium was discovered, possesses less of the precious substance than either England, the United States, or Germany. He therefore proposes a credit of 2,500,000 fr. to acquire 2 grams of the bromide. He considers also that the object of scientific establishments is research rather than practical application; therefore a radium laboratory should be attached to the "Assistance Publique" (Parisian hospital organisation).

M. Jean Galmot, 55 Avenue de Champs Elysées, Paris, one of the principal operators in bois de rose (femelle) oil and other produce from French Guiana, and a member of the Chamber of Deputies (as representative of French Guiana), is at present confined in the Prison de la Santé, Paris, certain charges having been made against him. The first complainant was M. Aristide Ravaud, a produce broker, who deposed that, as a guarantee for the renewal of bills amounting to 2,000,000 fr., M. Galmot offered 890 hogsheads of rum. But when the broker claimed delivery of the goods he was informed that the importer had handed the warrants six months previously to an English bank. M. Galmot was thus M. Ravaud's debtor to the amount of 380,000 fr., for the recovery of which sum he commenced proceedings. M. Galmot replied by counter-charging M. Ravaud with having sold him certain parcels of cocoa, valued at 130,000 fr., without paying the bills guaranteed by these goods. The magistrate summoned to his rooms M. Jacob, who had charge of M. Galmot's account at his French bank (the Société Centrale des Banques de Province). M. Jacob deposed that 23,000,000 fr. had been advanced to M. Galmot against receipts and warrants for goods in bond at Bordeaux. He produced documents confirming his statements, and the bank lodged a formal claim on the transactions, M. Galmot, at whose offices a judicial "perquisition" had been made, protested against M. Jacob's deposition, but the judge placed the accused under arrest.

The Origin of "Pharmacien."—M. Fialon (the veteran pharmacist who presented the "Musée Fialon" of ancient drug-pots *et hoc genus omne* to the Paris Faculty of Pharmacy a few years ago) contributes some notes on the history of the terms "apothecary" and "pharmacist." The latter term has designated the retail dispenser in France since the Revolution, and replaced the former, used under the "ancien régime" of the Monarchy. "Pharmacy" is an old word, but "pharmacien" seems only to have entered the French language in early Stuart days, and to have been used in the provinces before it came to Paris. Dr. Dorveaux cites its occurrence in works dated 1607 and 1609. M. Guitard has found a document dated 1640 (relative to the foundation of a Guild of Apothecaries at Marennes) in which sundry members are officially designated as "compagnon pharmacien," or more frequently "pharmatien." The two terms (pharmacist and apothecary) therefore existed concurrently in the pre-Revolution period. M. Fialon holds that they are not really synonymous. "Pharmacist," he says, rather implies one expert in the art of pharmacy; "apothecary," he who keeps open shop; and (as he dryly adds) "all pharmacists are not in business as apothecaries, and there are apothecaries who are poor pharmacists." The abuse and ridicule heaped upon apothecaries by doctors in the sixteenth and seventeenth centuries made the name unpopular, and to this he traces the change of title.

Colonial and Foreign News.

Jugo-Slavian Imports.—In 1920 Jugo-Slavia imported 48,286,000 kilos. of chemicals and pharmaceutical products, representing a value of 131,500,000 dinars.

Roumanian Imports Tax.—The Roumanian Government has decided to introduce a Bill during the present Parliamentary session imposing a duty of 50 per cent. *ad valorem* on all German imports. German merchants are consequently warned to be careful in their dealings with Roumanian firms, and to insist upon payment prior to the dispatch of goods, so far as practicable.

Kokusai Pharmaceutical Co.—The establishment of a new pharmaceutical concern, to be styled the Kokusai Seiyaku Kaisha, is being promoted by the directors of the Hoshi Pharmaceutical Co., Tokyo, Japan, and others who are interested in the latter concern. The capital of the new concern is 10,000,000 yen, and the entire shares will be taken up by the shareholders of the Hoshi Pharmaceutical Co.

Pharmacy in Holland.—On December 31, 1920, there were in Holland altogether 598 pharmacies, in addition to 1,026 medical practitioners holding the right to supply medicines to their patients. The pharmaceutical *personnel* employed in Dutch pharmacies amounts to 284 male assistants and 1,267 female pharmacists. The dispensing doctors employed eight women and 138 male assistants. In the Dutch East Indies there were forty-six civilian pharmacists, with 123 pharmaceutical assistants, in Surinam thirteen, and in Curaçao twelve civilian pharmacists.

Polish Calendar.—Under the title "Kalendarz Farmaceutyczny," for the year 1921, the first pharmaceutical calendar for the whole of the new Polish State has been edited by M. Fr. Herod, editor of the "Wiadomosci Farmaceutycznych," of Warsaw. It is a small volume of 170 pages, containing as a frontispiece a portrait of Professor Bronislaw Koskowski, the first President of the General Polish Pharmaceutical Association. Tables of the old Polish, Russian, Austrian, and German apothecaries' weights and measures are given, and the metric system; symptoms of poisoning, antidotes, hints for removing stains produced by certain chemicals, freezing mixtures, a list of plants to be collected in each month, the constitution of the Polish Pharmaceutical Association, and a list of the sanitary authorities of the State. This is followed by a complete list of all the pharmacists in Poland, divided into those in Congress Poland (the formerly Russian portion), in Galicia, Posen, and Pomerania. From these data we gather that Poland now possesses in all 1,376 pharmacies: Warsaw, the capital, contains 78 pharmacies; Lodz, the Manchester of Poland, possesses 35; Lwow (Lemberg) has 32; and Cracow, 27. Przemysl, of war celebrity, boasts of 5 pharmacies.

The Nationale Codex is a department of the Nationale Pharmaceutique of Belgium, where manufacturers of pharmaceutical products register their preparations and undertake to adhere to the formula or standard deposited by them. By the Belgian royal decree of February 10, 1920, the quantitative formulas of all specialities must be stated on the label, etc., and in the case of heroic drugs being present in the preparation the amount contained in each dose must also be given. This branch, which is a purely private undertaking, has now received a striking mark of official approval. The Belgian Prime Minister has addressed a letter to the director of the Nationale Pharmaceutique, asking whether they would be disposed to submit to the inspectors of pharmacies the results of the investigations undertaken by the Nationale Codex, so far as these have a bearing upon the application of the regulations requiring the disclosure of the contents of specialities on the labels. The Prime Minister states that this collaboration would greatly assist the inspectors of pharmacies in establishing transgressions against the regulations concerning the labelling of specialities, and at the same time he expresses his appreciation of the work done by this pharmaceutical organisation.

Chinese News.

Business Change.—Henderson & Co. have recently sold their Legation Pharmacy, Peking, to a European buyer, and are confining their business to Tientsin and district.

Several Chinese drug-dealers have organised a company for the manufacture of pharmaceuticals. The factory will be located in Shanghai, and the company has been capitalised at $100,000. The plant is expected to be in operation by July 1.

The Kailan Mining Administration are having experiments made by analytical chemists at their Tongshan, Linsi, and Chinwangtao works, and it is not unlikely that they will soon be in the market with chemicals derived from the by-products obtained in the manufacture of coke.

Control of Narcotics.—In compliance with a petition presented by the Anti-Opium Association the Chinese Government has decided to frame a new law for the punishment of those who are found engaged in smuggling or selling morphine and other opium alkaloids and cocaine. The proposed measure will be introduced by the Chinese Government on the opening of the new national assembly.

Mr. Robert Horne, of Evans Sons Lescher & Webb, Ltd., and Mr. Markham, of Dakin Bros., Ltd., were in Tientsin when the mail left on March 24. They report business generally dull among Chinese buyers owing to the fall in exchange and the unsettled conditions prevailing at present. Travellers from America are not so much in evidence as in 1919 and 1920, and some of the smaller houses importing American goods have closed down their Tientsin offices recently.

Masonic.—Mr. J. J. Woollen, chemist and druggist, governing director, Woollen, Vosy & Co., Ltd., Pharmacie Universelle, who was among the first North China residents to volunteer for the Front in 1914, and who returned four years later with the rank of captain, has recently been appointed Deputy District Grand Master for North China and was returned at the top of the poll at the recent election of municipal councillors in the French Concession. Mr. Woollen came out to the Far East some twenty-five years ago from Randall's, Southampton, and joined the old Victoria Dispensary then carried on by Dakin, Cruikshank & Co. He came North some twenty years ago, and for the last sixteen years has been senior partner and governing director of Woollen, Vosy & Co., Ltd., Tientsin, North China.

Import of German Dyes.—Although China is a large importer of German dyes, their import was completely stopped during the war, and even after the conclusion of peace the direct import of German dyes has not been restored, as no commercial treaty has been concluded between China and Germany. For the present a certain quantity of German dyes is imported through Dutch merchants (says the "Yakugyo Shuho"), but the price is comparatively high. Recently an application was presented by Chinese merchants to the Peking Government asking for the resumption of trade between China and Germany, and the Chinese Government has decided to allow trade with Germany where it is thought necessary. It is already reported that several Chinese merchants have issued orders to German firms for dyestuffs, and that they will be imported in fair-sized quantities in the future. Opinion inclines to the view that owing to the prevailing business depression and the instability of exchange the import of German dyes in any large quantity is doubtful. It is true, however, that German merchants at Shanghai and other Chinese ports are making efforts to recover the business they lost during the war, and they are carrying out banking and other arrangements.

Charge against German Works Chemist.—The "Daily Express" states that Dr. Paul Kappelmeier, who has held a position of trust for ten years as chief chemist to the Höchster dye factory, at Frankfurt, one of the largest German concerns, has been arrested on the charge of betraying factory secrets, the commercial value of which is stated to be 3,000,000*l.*, to an American company.

Bankruptcy Reports.

Re Heinrich Odomar Hugo Wiskemann, late of the Wool Exchange, London, E.C., chemical merchant.—The creditors under this failure met a second time recently at the London Bankruptcy Court, when accounts were presented showing total liabilities 14,022*l.* (unsecured 13,303*l.*), and net assets valued at 12,695*l.* The Official Receiver reported that the meeting had been adjourned to enable a proposal to be submitted. The debtor's solicitor stated that his client was very anxious to pay at least 10*s.* in the £ by two equal instalments at July 1921 and January 1922, the payments to be satisfactorily guaranteed. Under a marriage settlement made in 1888 there was a clause to the effect that in the event of bankruptcy the income would pass away from the debtor. After some discussion the debtor's solicitor said his client had every hope of being able to pay 15*s.* in the £, and the meeting was further adjourned for three weeks.

Re Joseph Vine (trading as The Toilet Supply Co., 222-4 Harrow Road, London, W.). A sitting of the London Bankruptcy Court was held on April 19 before Mr. Registrar Mellor for the public examination of the debtor, who returns liabilities 7,825*l.*, against assets valued at 2,032*l.* Questioned by Mr. Warren, Official Receiver, the debtor stated that in January 1915 he entered into partnership with his sister, although no partnership deed was executed, and they carried on business as wholesale and retail dealers in toilet preparations, under the style of "The Toilet Supply Co." They also dealt in soaps and fancy goods. He joined the Army in May 1915, leaving his sister to carry on the business, but upon being demobilised, in March 1919, he returned to it, and soon after agreed to buy out his sister by paying her 550*l.*, and himself taking over the liabilities. He added to the business a branch of manufacturers of general toilet preparations, and lost money on a patent powder-blower and a mouth-wash registered as "Tharanique." Although he had a present deficiency of 5,000*l.*, witness was of opinion that he was perfectly solvent last summer, taking the business as a going concern, because he then had several offers for it, one being the sum of 3,000*l.*, payable 1,000*l.* in cash down, the balance by instalments. The examination was concluded.

Re Thomas Howard, 20 Highgate Road, London, N., patent-medicine vendor, trading as Talbot Wilson. The first meeting of creditors under this failure was held last week at the London Bankruptcy Court. Mr. F. T. Garton, Official Receiver, reported that it appeared from the debtor's statements that he commenced business in February 1917 at 16 Highgate Road, with a capital of 90*l.*, of which 70*l.* was borrowed from his wife's father. The trading was successful, and in March 1919 he removed to larger premises at 20 Highgate Road; in the following June, in order to obtain further capital, he transferred the business to a company registered as Howard, Stevens & Co., Ltd., with a capital of 3,000*l.*, but only 450*l.* was subscribed. The company did not take over his liabilities, which amounted to 600*l.* The debtor was appointed managing director at a salary of 350*l.* a year; the subscription to the capital was insufficient, and eventually a receiver was appointed by the debtor's wife, who was the debenture-holder. The receiver continued the business until last January, when the debtor formed a new company, registered as Hampton, Selwyn & Co., Ltd., with a capital of 3,000*l.*, and that company agreed to acquire the goodwill of Howard, Stevens & Co., Ltd. The debtor was appointed manager of the new company at a salary of 400*l.* a year, and they continued the business from 20 Highgate Road until the beginning of this month, when it was closed. No statement of affairs had been lodged, but the debtor roughly estimated his liabilities at 700*l.*, and returned no assets whatever. The failure was attributed to want of capital. The estate was left with the Official Receiver to be administered in bankruptcy.

Legal Reports.

Profiteering Act Case.—At Guildhall Police Court, London, on April 15, John Charles Mascarenhas (trading as J. Lloyd & Co., manufacturing chemists), Broad Street House, E.C., was summoned for having sold to Salmon & Co., Ltd., 10 tons of soda crystals at 14*l.* 10*s.* a ton, a price, it was alleged, that yielded an unreasonable profit. Mr. Warren represented the defendant. Mr. H. D. Roome, prosecuting on the instructions of the Board of Trade, said that the crystals were purchased by the defendant for Heath & Co., Liverpool, at 9*l.* 10*s.* a ton, and were sold to Messrs. Salmon the same day at 14*l.* 10*s.* a ton. After the service of the summons, defendant had written to the Board of Trade sending figures to make it appear that he had obtained only 20 per cent. profit—and even that was too much. Mr. John William Cockill, buyer to Messrs. Salmon, gave evidence as to transactions with J. Lloyd & Co., and in cross-examination admitted that his company was paying from 10*l.* to 18*l.* a ton for soda crystals from other vendors. The hearing was adjourned.

Tartaric Acid Deal.—In the King's Bench Division, on April 20, an action was heard in which C. W. Field, Ltd., Wood Street, Liverpool, claimed to recover from the Keene Co., of Gray's Inn Road, London, the price of five tons of tartaric acid crystals sold to defendants and shipped from Italy. Mr. C. Doughty, for plaintiffs, said the contract was dated February 12, 1920, for the five tons tartaric acid crystals, B.P., 3*s.* 8*d.* per lb., with cash, ex quay, Liverpool, for May or June. The goods were shipped on the s.s. *Thurso*, and arrived at Hull on July 2. Strikes in Italy were responsible for the delay. Defendants accepted one ton at Hull, and had paid for that amount. It was then asked that the remainder should be sent forward to Liverpool to the Cunard Wharf. The wharf refused to take the goods. Plaintiffs said they failed to get instructions. The question in the case was whether upon the facts of the correspondence that passed between the parties the defendants had so dealt with the goods as to be liable for them. Mr. Wilfred Price, for the defendants, maintained that his clients were not liable; but Mr. Justice Roche held that the acceptance of the goods had been proved by the correspondence, and entered judgment for the plaintiffs for 1,456*l.* and costs.

Business Changes.

Mr. W. A. Smith, chemist and druggist, has purchased the business of Mr. H. C. Brierley, chemist and druggist, Market Place, Leyburn.

Mr. W. Clifford Eastwood, chemist and druggist, has acquired the business of the late Mr. R. S. Angus, chemist and druggist, 24 St. Nicholas Street, Lancaster. Mr. Eastwood was previously with Harrison, Parkinson & Co., chemists, Bradford.

E. Guillevic & Co., 19 St. Dunstan's Hill, London, E.C.3, have been appointed agents for the Huilerie Nouvelle, expressors of French castor oil, Marseilles, and for Joseph Gazan, expressed and essential oil merchants, Marseilles, one of whose specialities is almond oil.

Two of the directors of The British Drug Houses, Ltd.—Mr. Alan Hicks and Mr. W. A. H. Naylor, F.I.C., Ph.C.—are retiring from the board at the end of this month. Mr. Hicks has been connected with the company and its predecessors, Davy, Hill & Co. and Davy, Yates & Hicks, for thirty-four years. Mr. Naylor's connection with Hearon, Squire & Francis and their successors extends to thirty-eight years. On looking at the group portrait of "B.D.H." directors that we gave in 1911 (*C. & D.*, I., 1911, p. 135), it will be noticed that no change has taken place among those of the directorate on the right of the chairman, while the *personnel* on his left will, with the retirement of Messrs. Hicks and Naylor, have been completely changed.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Fletcher Waterhouse, Ltd. (P.C.).—Capital, 2,000*l*. Objects : To carry on the business of chemists, druggists, oil and colour men, etc. R.O. : 125 Bowling Old Lane, Bradford.

Glorias, Ltd. (P.C.).—Capital, 1,000*l*. Objects : To carry on the business of manufacturers of, dealers in, and agents for toilet preparations, hairdressers, manicurists, chemists, etc. R.O. : 294 Regent Street, London, W.

T. H. Bateman & Co., Ltd. (P.C.).—Capital, 4,000*l*. Objects : To carry on the business of druggists, chemists, oil and colour men, dealers in cements, oils, and paints, paint and colour grinders, etc. The subscribers are : H. S. Watson, 223 Finchley Road, N.W. 3, dispensing chemist; and E. W. Gough, 34 Stretton Road, Croydon, dispensing chemist.

Ralph L. Fuller & Co. (Export), Ltd. (P.C.).—Capital, 10,000*l*. Objects : To carry on the business of chemical merchants and importers, manufacturers and exporters of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations, varnishes, drugs, oils and resins, ship owners and brokers, etc. The first directors are : F. I. Hibbert, 21 Harp Lane, E.C. 3, chemical merchant; D. Simpson, Thistle House, Burges Road, Thorpe Bay, merchant; and J. Cameron, "Juanita," 89 Lovelace Gardens, Southend-on-Sea. R.O. : 21 Harp Lane, London, E.C.

Benger's Food, Ltd.—The directors recommend a dividend on the 1*l*. ordinary shares at the rate of 1*s*. 3*d*. per share, free of income-tax, for the six months ended March 31, 1921.

Parke's Drug Stores, Ltd., announce the payment on April 20 of six months' preference dividend, up to the end of March 31, at the rate of 6 per cent. per annum, less income-tax.

Massey & Winbury, Ltd., 17 Queen Victoria Street, London, E.C.—Pursuant to Section 188 of the Companies (Consolidation) Act, a meeting of the creditors of the above company was held recently at Portland House, 73 Basinghall Street, the offices of the liquidator, Mr. E. D. Basden, who presided. The company was formed to take over a business of chemical factors and agents which was started in 1919 by Messrs. Massey and Winbury, two ex-officers who were demobilised in that year. The business had made good progress from the start, and the company was formed by those gentlemen for the purpose of obtaining increased capital, and through its formation a further 1,400*l*. was secured as capital for the business. In the chairman's opinion, having regard to the amount of capital, the company over-traded, carrying large stocks for future delivery, and when the slump came there could be only one result. Dealing with the statement of affairs, the chairman said the unsecured creditors were 13,881*l*., the partly secured creditors 5,247*l*., the estimated value of the security held by them being 3,763*l*., leaving an unsecured balance of 1,484*l*., and there were preferential creditors for rent 60*l*. The total ranking liabilities, therefore, were 15,365*l*. On the assets side of the account there were trade fixtures, fittings, etc., which cost 148*l*., which he estimated would produce 90*l*., good book debts 101*l*., and doubtful 1,553*l*., which he estimated to produce 600*l*., while "differences on contracts" represented 1,175*l*. The total assets, therefore, were 1,966*l*., which, after deducting the preferential claims 60*l*., left net assets 1,905*l*., and a deficiency of 13,459*l*. The chairman explained that the unsecured creditors were those who either appeared from the books to be creditors or persons of whom he had information who were likely to be creditors. The claims of creditors who had actually proved did not amount to more than 300*l*. or 400*l*., but he understood the reason of that was that the remainder were looking to the old firm and not the company for payment, and, should their claims be upheld, the partners of the old firm would be entitled to be indemnified by the company. Some discussion ensued, and ultimately a resolution was passed confirming the liquidator in his appointment, and an informal committee comprising representatives of Mangold Bros., Walter Waugh & Co., and Eden Fisher & Co. was elected to assist him, Mr. Basden agreeing to be guided by the advice of that committee. The following are among the creditors : V. Blagden & Co., 9,294*l*.; British Dyestuffs Corporation, Ltd., 21*l*.; British Vegetable Oil Extraction Co., Ltd., 20*l*.; Caravel Co., Ltd., 25*l*.; Cosmo Cran & Co., 19*l*.; Eden Fisher & Co., Ltd., 66*l*.; Hernu, Péron & Co., Ltd., 13*l*.; Lankshear, Wickstead & Co., 1,800*l*.; Mangold Bros., 433*l*.: Walter Waugh & Co., 1,490*l*.

Society of Public Analysts.

A meeting of the Society of Public Analysts was held recently at the Chemical Society's Rooms, Burlington House, London, Mr. Alfred Smetham (President) in the chair.

A paper on *The Estimation of Strychnine in Scale Preparations containing Quinine and other Cinchona Alkaloids* was read by Messrs. T. F. Harvey, F.I.C., and S. Back. The determination of strychnine in a scale preparation containing iron and quinine, stated the authors, is a matter of some difficulty. Several of the existing methods for the separation of these two alkaloids are useless, while others give satisfactory results on pure alkaloids, but fail when applied to the somewhat altered alkaloidal residues obtained in the analysis of scale preparations. The method recommended by the authors, which has so far proved satisfactory in practice, is based upon two existing methods—viz., the tartrate method of Harrison and Gair, and the ferrocyanide method of Simmonds. The greater part of the quinine is directly precipitated as tartrate from an aqueous solution of the scales, an aliquot part of the filtrate being used for the extraction of the strychnine and residual quinine, the separation being then completed by the precipitation of the strychnine as ferrocyanide. Characteristic strychnine residues are mostly obtained. Check experiments were made. The occurrence of small quantities of other cinchona alkaloids was shown not to interfere, with the exception of quinicine, the behaviour of which was described.

The next paper was on *A Method for the Determination of the Acidity of Coloured Solutions*, by Mr. J. L. Lizius. The method consists of passing the approximately neutralised coloured solution through a filter-paper previously treated with the indicator solution. Small quantities of standard alkali or acid are added to the solution, which is then refiltered, and this procedure continued until the filter-paper gives the permanent coloration of the indicator. Dr. J. C. Thresh then read a paper on *The Action of Water on Lead*. The author referred to the conflicting views held with reference to this action, notwithstanding the large number of chemists who have attacked the subject. He therefore commenced *de novo* and found that water free from dissolved oxygen had no action on lead, but if free oxygen be present action begins instantly and continues until all the oxygen is used up, the rate of action depending on the amount of oxygen present. He then proceeded to enter into theoretical explanations as to the chemistry of the reactions which take place. A communication on *A Colour Reaction for Aconite* was read by Dr. S. Mallannah. The author states that colour reactions at present known for aconite are really those of benzoic acid, and that colour reactions generally are seldom useful unless applied to pure alkaloids. He has devised a method which appears to be specific for aconite and is very delicate, involving the use of potassium ferricyanide and formic acid. This the author considers very useful for medico-legal purposes, particularly in India, and it is applicable not only to the pure alkaloid but also to the powdered root. He seeks confirmation of the test.

Tuba Root.

For some years past Tuba root has figured in the list of drugs arriving at Liverpool, and inquiries have been frequent as to its source and uses. Rumours appear to have reached makers of insecticidal preparations that it is being used as an insecticide, but with the usual want of enterprise by British commercial men, and contempt for scientific knowledge, they have failed to discover that attention has been directed, at intervals since 1848, to its value as an insecticide and to its use for this purpose for a century or more at least by the Chinese. A short account of the drug may, therefore, be useful at the present time. Tuba root, derived from the *Aker tuba*, or tuba climber, as it is called by the Malays (*Aker* meaning a climbing or twining plant), is chiefly employed in the Malay Peninsula by the natives as a fish poison, but by the Chinese market gardeners as an insecticide. It is derived from several species of *Derris*, e.g. *D. Forsteriana*, Bl., and *D. uliginosa*, Benth., of the natural order *Leguminosæ*, and belongs to the tribe *Pongamieæ*, which is remarkable for containing a large number of plants used as fish poisons in different countries. The species of Derris which is most largely used under the name of "aker tuba" is *Derris elliptica*, Benth. This is a large climbing shrub with woody stems, with bunches of pretty white fragrant flowers tinted with pink and pale buff, and followed by thin flat pods with blunt ends, 2½ inches long by 1 inch broad, and containing one or two seeds. The younger part of the plant is covered with a rusty down, the leaves are ½ to 1 foot long, with seven to thirteen leaflets in four or five pairs, with an odd one. The leaflets are oblong, and 3 to 6 inches long, entire, and of papery consistence, smooth above, nearly so below. *Derris elliptica* grows apparently wild on the plains of Perak and is also extensively cultivated. It flowers in February and March; the fruit ripens in May and June. The roots are done up in bundles, and are to be bought in many of the shops. In Thaipeng, the chief town of Perak, it used to sell at about 35 cents per catty, or 9½ lb. The best time to harvest the root appears to be in January, when the plant is at rest and nearly leafless. The fresh roots, when cut, exude a white milky sap which is in the form of an emulsion, as seen under the microscope. The Chinese market gardeners in the Straits Settlements prepare the fresh root as an insecticide by chopping it up fine and pounding it and mixing it with water, which becomes milky. It is then sprayed over the plants or brushed over them with a bunch of feathers. *Derris elliptica* is known to occur in Martaban, Burma, Penang, Malacca, Siam, Sumatra, and Java, as well as in the Malay Peninsula, but is generally imported from Singapore. Sir Geo. King, in his "Flora of the Malay Peninsula," enumerates thirteen species of *Derris*, but *D. elliptica* is distinguished from the others by having the standard or upright petal of the flower silky on the outside. Twenty grains of the green root, according to an experiment made by Mr. Leonard Wray, formerly Curator of the Museum at Perak, will render one gallon of water sufficient to poison fish. As long ago as 1848 attention was directed to the use of tuba root as an insecticide by Mr. Thos. Oxley in the "Journal of the Indian Archipelago," 1848, p. 646. In connection with the cultivation of the nutmeg-tree seedlings he says. "Washing the leaves with a decoction of tuba root is the best remedy I know of for a very small moth-like insect that is apt to infest the young plants, laying their eggs on the leaf." In 1877 some of the root was sent to Kew from Singapore by Colonel McNair, R.E., and an account of it published in the Kew Gardens Report, 1877, p. 43, in which it is stated that water in which the roots have been steeped is said to be a very efficient insecticide for garden purposes. The actual botanical source of tuba root was proved by cultivating some pieces of it which, when it flowered, proved to be *Derris elliptica*. Attention was again directed to it in the Indian and Colonial Exhibition in 1886, and an account given of its uses as a fish poison and as an ingredient in some of the Malayan arrow poisons, and its value as an insecticide reiterated. In 1890 a chemical investigation of the root was made in the Chemico-Physiological Laboratory, in connection with the botanical gardens at Buitenzorg in Java, by the late Dr. M. Greshoff. In this instance, as in the case of cinchona and gutta percha, the Dutch anticipated the English in scientific investigation of a product of commercial value. Dr. Greshoff found the root to contain 5 per cent. of a resinous acid, to which he gave the name of *Derrid*, which he believed to be the active principle, since a solution of it containing only one five-hundred-thousandth part stupefied goldfish in a few minutes, and killed them in half an hour. But in the pure state *Derrid* is insoluble in water, though soluble in alcohol, acetone, phenol, and pyridine, and other solvents. In 1892 Mr. Leonard Wray (evidently in ignorance of Dr. Greshoff's research, which was published in the Dutch language), in the course of a valuable and interesting communication published by him in that year on tuba root and its active principles, stated that he had extracted a poisonous resinous body from it to which he gave the name of tubain, which was quite insoluble in water, paraffin oil, and benzene, but soluble in alcohol, ether, and chloroform. He did not regard this resinous body as being the pure poisonous principle, but possibly as consisting of several distinct substances, only one of which might be the virulent body. He obtained 9.42 per cent. of tubain from the dried root. But whatever tubain may be, it contains the active principle that poisons fish, since one-millionth part in water will kill fish in a quarter to half an hour, according to the species. For practical purposes it can be extracted by alcohol from the dried root, but the best method of emulsifying it, whether by ammonia or other alkali, or by saponin (for which that of soap berries would be cheap if effective in producing an emulsion like that obtainable from the fresh root), has yet to be published. Further light has been thrown on the chemistry of the root by the research of Dr. F. B. Power in 1902 on the chemistry of the allied species *D. uliginosa* (Report 34, Wellcome Chemical Research Laboratories). He found that *Derris uliginosa* did not contain any alkaloid, but a considerable amount of tannin and colouring matter precipitable by acetate of lead. An alcoholic extract of the drug threw down, when poured into water, a considerable quantity of resin, which he ascertained was not of a glucosidal character. Part of the resin was soluble in chloroform and part insoluble. The soluble portion seems to be analogous in character to the *Derrid* obtained by Greshoff, and was actively poisonous to fish. The portion of the resin insoluble in chloroform was quite devoid of activity. The poisonous principle, therefore, is evidently due to some constituent of that portion of the resin which is soluble in chloroform, as a liquid representing one-millionth of a grain of this resinous body in water was fatal to goldfish. Whether this constituent of the resin is equally fatal to insects, and the best method of emulsifying it in water, are problems that appear to have been solved by those who at present import the root in considerable quantities.

At the Counter.

From Carrick-on-Suir:

Cedles powder.
2 oz. Magneache.
2 pense worth of tartemetich for distemper.
Idanifidasiam.
Ask my relver.

Wind Up.—"Please give bearer a bandage with a breath of two inches and a spool of films with six composures," runs a missive received from Scotland.

Housemaid's "Nee" was perhaps the trouble in a case in which a Bournemouth pharmacist received an epistle requesting "something for her nee . . . she thinks iron dine would do it good."

Supplementary!—An Irish pharmacist sends us the originals of the following orders that he has received: Corose a supplement; ½ oz. of gross supplemate; 1 oz. seplement.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

The New Dispensing Terms.

In the table showing the effect of the altered fees, given on the second column of page 53 of the *C. & D.*, April 16, the modification regarding ointments should be *reduced* 0.6*d.*, not increased as printed.

Reports from Local Centres.

ENGLAND.

Bournemouth.—At a meeting of the Insurance Committee it was reported that the balance-sheet of the Pharmaceutical Committee for 1920 showed a total expenditure of 35*l.* 4*s.* 11*d.* Since the previous meeting 292*l.* 18*s.* 10*d.* had been paid from the Drug Fund. Mr. F. E. Bilson was reappointed as representative on the South-Western Joint Pricing Committee.

Croydon.—At a recent meeting of the Insurance Committee it was agreed that the sum of 20*l.* should be recovered from a chemist concerned in a case recently before the Committee, which had been considered by the Ministry of Health. The department had decided to withhold this sum from the current year's grant to the Committee.

Denbighshire.— At a meeting of the Insurance Committee, held on April 14, the Medical Benefit Sub-Committee reported that the number of prescriptions priced in 1920 was 102,804, costing 4,164*l.* 15*s.* 8*d.*, being an increase of 15,620 and 1,314*l.* over 1919. The cost of drugs and appliances was not considered excessive, and the statistical report for the quarter ended December 31, 1920, was satisfactory. Attention was drawn to the difficulty experienced by insured persons in certain cases in obtaining medicines after the chemist's closing hour. It was decided that the Panel and Pharmaceutical Committees be asked for their observations as to any desirable amendment in the existing scheme, and that the matter be then considered further.

Essex.—A meeting of the Pharmaceutical Committee was held recently under the chairmanship of Mr. England. Mr. J. E. Evans was welcomed as a member of the Committee in place of Mr. L. Matthews who had resigned. A communication had been received pointing out certain irregularities on the part of chemists in regard to the dispensing of Ministry of Pensions prescriptions, and it was decided again to issue instructions to chemists on this matter. The Checking Bureau reports for the past two months were received. Complaints had been received as to the inadequacy of service for Insurance dispensing on Thursday and Sunday evenings in the Leyton and Walthamstow districts, but on consideration of the facts the Committee are of opinion that the present service is sufficient to meet the needs.

Kent.—The Insurance Committee met at Maidstone on April 13, Mr. C. Igglesden presiding. The Medical Benefit Sub-Committee reported that in an inquiry regarding the issuing of prescriptions, in the names of two doctors, by the dispenser, one of the two doctors explained that on occasions prescriptions are dictated to the dispenser, who issues the prescriptions accordingly. Also, that in the absence of both doctors it is customary for the dispenser to issue prescriptions ordering "repeat" prescriptions without necessarily making reference to one of the doctors; that in the absence of both doctors the dispenser may issue prescriptions ordering preparations for the Kent formulary to patients who apply for treatment for minor ailments, and subsequently report his action to the doctor. The doctor considered that the irregular issue of prescriptions was a convenience to country patients. He also affirmed that the procedure was one which commonly obtained in private practice, and was general in Insurance practice. The Sub-Committee took a grave view of the practice as one likely to lead to the most serious results, and directed that the terms of service with regard to the issue of prescriptions should be strictly observed. In response to a query raised by a chemist who had been asked if he could supply carbonic-acid gas in a solid form, the Medical Benefit Sub-Committee decided that treatment of a nævus, existing from birth, was not a service required from a panel practitioner.

Middlesex.—At a meeting of the Pharmaceutical Committee held on April 13, the Committee approved of the secretary intimating that, for the time being, the Committee was quite content that negotiations on its behalf should be conducted by the Retail Pharmacists' Union, though the right must be reserved to approach the Ministry direct if necessary. The position with regard to the Middlesex Formulary was explained by Mr. Humphrey, who stated that the incorrect issue of the Formulary had now been withdrawn and that the new Formulary, in the correction and arrangement of which he had assisted the Panel Committee, would shortly be published. The new terms for Insurance dispensing were then explained, and after some discussion the Committee decided to recommend chemists to accept the new terms. The report of the checking supervisor included the following particulars: January scripts numbered 80,570 (average 11.97*d.*). They included 98,745 prescriptions (average 9.77*d.*). The February scripts numbered 88,513 (average 11.61*d.*), and included 106,467 prescriptions (average 9.65*d.*). The total number of prescriptions chargeable in 1920 to the Medical Benefit Fund was 1,009,304. The average ingredient price per prescription was 5*d.*, and the average dispensing-fee was also 5*d.* The total cost of the medicine supplied was 41,863*l.* 11*s.* 9*d.* Attention was also directed in the report to conditions affecting the prompt payment of chemists' accounts, and particulars were given regarding the pricing of "Urgent" and Ministry of Pensions prescriptions. After a brief discussion the report was adopted.

Smethwick.—At a meeting of the Insurance Committee held on April 19, the Medical Benefit Sub-Committee recommend that the extended hours of service of chemists on Monday evenings (viz., to 8.30 P.M.) shall be suspended during the period ending September 30 next. Statistical data regarding prescribing in 1920, compared with 1919, are as follows:

	1919	1920
Number of prescriptions ...	76,889	88,070
Cost of ingredients	1,000*l.* 0*s.* 3*d.*	1,370*l.* 8*s.* 1*d.*
Cost of dispensing-fees ...	1,225*l.* 4*s.* 2*d.*	1,862*l.* 18*s.* 5*d.*
Average ingredient price ...	3·13*d.*	3·73*d.*
Average dispensing-fee ...	3·83*d.*	5·08*d.*

Payments from the Drug Fund had been made as follows: Payments to chemists, December balances, January advances, 285*l.* 15*s.* 5*d.*; January balances, February advances, 283*l.* 5*s.*; February balances, March advances, 295*l.* 5*s.* 5*d.*; Pharmaceutical Committee administration, 1920, 5*l.* 13*s.* 8*d.* For the period January 1 to March 22 expenditure, 1920 Drug Fund, amounted to 395*l.* 9*s.* 9*d.*; and 1921 Drug Fund, to 461*l.* 1*s.* 6*d.*

Wiltshire.—The Pharmaceutical Committee held a meeting at Trowbridge on April 13, Mr. R. T. Christopher being in the chair. The annual report and financial statement was passed. The amount paid to panel chemists in the county during the year 1920 was 5,223*l.* 13*s.* New Tariff terms for 1921 were accepted, panel chemists being advised to continue service. It was agreed to elect members to the Committee for three years from June 1921.

SCOTLAND.

Perth.—During 1920 the number of prescriptions issued by the doctors was 12,946, and the average cost per prescription was 15.63*d.* The fund available for payment of the chemists' accounts for the year was 1,068*l.*, while the total amount of the accounts incurred was 923*l.* 3*s.* 2*d.*, leaving a balance available for 1921 of 144*l.* 16*s.* 10*d.*

A Thousand Years' Service.—"The Star" of April 15 had an interesting reference to "Maw's Veterans," as the *C. & D.* called them in an illustrated article in 1916 (p. 851). The aggregate service of twenty-one of them, it appears, amounts to 1,060 years.

Festivities.

Staffordshire Chemists' Dinner.

The North Staffordshire Chemists' Association held their annual dinner at Stoke, on April 14. Mr. Thos. Bentley presided. The Mayor of Stoke replied to the toast "Local Governing Bodies." Mr. Mellor (Uttoxeter) proposed "The Pharmaceutical Society," and Councillor J. A. Dale, as chairman of the Pharmaceutical Committee, replied. Mr. Shaw (Hanley) proposed "The Visitors," which was responded to by Mr. A. Newton (Manchester). An excellent musical programme was provided by Mr. Bloor (Longton). Songs were given by Mrs. T. Parker, Mr. Cropp Hawkins, and Mr. Bullimier. Miss Bloor acted as accompanist.

Bournemouth Pharmacists' Whist-drive.

The Bournemouth Pharmaceutical Association held an enjoyable whist-drive on April 13, at which a company of eighty were present. During the evening Mr. H. J. Martin invited the ladies to provide suitable gifts for Miss Buchanan's stall at the Chemists' Exhibition, the appeal meeting with a fair response. The President, Mr. C. A. Coles, presented the prizes to the following: *Ladies*—(1) Mrs. T. L. Harding; (2) Mrs. Bonnett; (3) Mrs. Miller. *Gentlemen*—(1) Mr. Lees; (2) Mr. Church; (3) Mrs. Draper (playing as gentleman). A hidden number prize was won by Mrs. Harvey. The donors of the prizes included the President, Mr. J. K. Watterson, local managers of Boots, Ltd., S. Maw, Son & Sons, Ltd., and Mr. R. J. Reuter. The duties of M.C. were undertaken by Mr. T. L. Harding.

Brighton and Hove Chemists' Social Evening.

A whist-drive and musical evening was held by the members of the Brighton and Hove Association of Pharmacy and their friends on April 12. Mr. C. G. Yates (President) occupied the chair, and Mrs. Yates presented the whist-drive prizes to the following: *Ladies*—(1) Mrs. C. Von der Heyde, (2) Miss Addison, (3) Miss A. D. Black; lady playing as gentleman, Miss King; lady's consolation, Mrs. Mead. *Gentlemen*—(1) Mr. Baggott, (2) Mr. G. B. Savage; consolation prize, the President. Highest score at half-time, Mr. T. Herbert. Ladies' hidden number, Mrs. E. Beckwith. Gentlemen's hidden number, Mr. H. B. Thyer. There were also two travelling prizes. After an adjournment for refreshments, Mr. Yates appealed to the ladies to provide suitable articles towards Miss Buchanan's Benevolent Fund stall at the coming Chemists' Exhibition. He thanked the Committee, Messrs. Flatman, Hockin, J. Plowright, and F. W. Burgess, for their arrangements, and also the prize donors. An enjoyable musical programme followed.

Ipswich Chemists' Inaugural Dinner.

The Ipswich and Suffolk Chemists' Association held the inaugural dinner at the Grand Hotel, Ipswich, recently, when a large and representative company dined under the chairmanship of the President (Mr. C. Smalley). The vice-chair was occupied by Mr. J. R. Cornell, and others present included the Mayor of Ipswich, Mr. Frank Mason, the Deputy-Mayor, Mr. F. E. Rands, Mr. G. A. Mallinson (secretary of the Retail Pharmacists' Union), Drs. S. S. Hoyland, W. L. Hibbert, G. I. T. Stewart, E. Staddon, the Rev. Dr. Mahon, Mr. B. W. Elkington, Mr. C. A. Malone, Mr. R. Gilbert Ranson (secretary East Suffolk Insurance Committee), Mr. W. A. Francis (hon. solicitor to the Association), Mr. A. Moffat (assistant town clerk). During dinner Mr. Hinsley Burgham's string orchestra rendered a selection of music, and the occasion was voted a great success by all participating. The chairman, after extending a hearty welcome to the visitors, expressed regret at the absence of Sir John Ganzoni, M.P., who wired wishing the Association every success, and explaining that his Parliamentary duties prevented him from leaving the House of Commons. The toast of "The Pharmaceutical Society" was proposed by Mr. H. F. Douthwaite. Mr. G. A. Mallinson, who responded, referred to the stand made against the Dangerous Drugs Act Regulations. Thanks were due to the medical profession for the help they had rendered them in the fight against these Regulations. He did not think that, perhaps, the support given to the Society by the medical men was sufficiently realised. Never before had they been in a position to say that the medical men of the country had been so united with them, and it was largely due to their co-operation and support that their fight against the Regulations under the Dangerous Drugs Act succeeded. There is, he said, more professional pharmacy in Great Britain to-day than in any previous time in its history. The man who put pharmacy in the background would find that his business would become obsolete in the long run. "The Town and Trade of Ipswich" was proposed by Mr. C. Hardy and replied to by the Mayor. Mr. Manton Oldfield proposed "The Medical and Allied Professions," and Drs. A. M. N. Pringle and J. F. C. Hossack responded. Mr. C. A. Malone replied for the dentists and allied professions. "The Ipswich and Suffolk Chemists' Association" was proposed by Mr. F. E. Rands, and the chairman replied. "The Press" and "The Visitors" were also included among the toasts.

The Last of the Season.

It looked as though the executive of the Western Pharmacists' Association had set themselves out to create a record in entertaining in their last function for the session. This took the form of a supper and whist-drive at Pinoli's Restaurant, London, W., on April 14. There was a large and extremely friendly gathering of about 120 people, who were welcomed on arrival by the President of the Association (Mr. H. S. Watson) and Mrs. Watson. Among those present were observed Mr. and Mrs. W. D. Shirtliff, Dr. O'Conner, Mr. and Mrs. Melhuish, Mr. and Mrs. A. R. Keith, Mr. and Mrs. H. Skinner, Mr. and Mrs. C. A. Noble, Mr. and Mrs. T. Marns, Mr. H. Raithby Procter and Miss Procter, Mr. and Mrs. W. Chalmers, Mr. and Mrs. G. A. Tocher, Mr. and Mrs. W. Browne and Miss Browne, Miss Watson, Messrs. J. Royle and A. Royle (Ingram & Royle, Ltd.), G. C. Hellyer (Price's Patent Candle Co., Ltd.), and A. R. Arrowsmith (Apollinaris Co., Ltd.). The proceedings began, as usual, with supper, in which Mr. Pinoli seemed to surpass his previous culinary efforts, to the general enjoyment of the company. The tables were then cleared and play began, finishing about eleven o'clock. Thereafter President Watson (representing the eminent auctioneering firm of "Bidhigh & Getit") put up for auction three "mystery" packages. These were afterwards found to contain theatre tickets, and the first was knocked down, amid much amusing repartee, for 30*s*., the second for 40*s*., and the third for 42*s*., making a total of 5*l*. 12*s*. to swell the proceeds of the evening towards the Benevolent Fund. Another novelty was a hidden number prize. Pinoli's stately and distinguished commissionaire drew haphazard two numbers, which proved to be those of Mrs. Curtis and Mr. C. A. Noble, each of whom received a gift. Eight further prizes were awarded as follows: *Ladies*—(1) Mrs. Worfolk; (2) Mrs. Healey; (3) Mrs. Chalmers; consolation, Mrs. Curtis. *Gentlemen*—(1) Mr. Burgess Dow; (2) Mr. Ellerington; (3) Mr. Mumford; consolation, Mr. Joseph. In a few words the President made a valedictory speech, informing the company that it would be the last occasion on which he would act as their President. The majority of those present seemed disinclined to believe this, and certainly Mr. and Mrs. Watson have infused a considerable amount of enthusiasm and friendliness into the Association's gatherings. With the earnest, energetic co-operation and help of the able and ever-courteous secretaries, Mr. B. R. Wilkinson and Mr. Harry Martin, the social functions of the Western Pharmacists' Association have been shining examples to the rest of the pharmaceutical flock.

The Kent County Analyst (Mr. F. W. F. Arnaud, F.I.C.) reports that eighteen samples of drugs received by him during the quarter ended December 31, 1920, were all found to be genuine.

New Books.

Gubb, Alfred S., M.D.—*From Cloud to Sunshine: Algiers and Algeria.* Tenth edition. $8\frac{1}{2}$ in. × $5\frac{1}{4}$ in. Pp. 110. 3*s.* 3*d.* Imprimerie Algérienne, 2 Rue Bourlon, Alger. [Dr. Gubb, an English doctor who practises in Algiers during the winter and has become the authority on Algeria as a winter resort, writes pleasantly of the country and its inhabitants, many illustrations being given in the text. It is a useful guide to visitors, and shows that to invalids medical and pharmaceutical requirements can be well met.]

Humphrey, J., Ph.C.—*Drugs in Commerce: Their Source, Preparation for the Market, and Description.* $7\frac{1}{4}$ in. × $4\frac{5}{8}$ in. Pp. 116. Illustrated. 3*s.* Sir Isaac Pitman & Sons, Ltd., Parker Street, Kingsway, London, W.C. 2. [Mr. John Humphrey, who was formerly editor of "The Pharmaceutical Journal," has written this useful book to give an outline of the sources of crude drugs and how the drugs are dealt with before they reach the chemist. The plan of the work is to treat the drugs in alphabetical order from acacia to woolfat, the book being divided into seven chapters. The monographs vary in length according to the importance of the drugs, and are both concise and informative.]

Maxted, E. B., Ph.D.—*Ammonia and its Nitrides, with Special Reference to their Synthesis.* $7\frac{3}{8}$ in. × $4\frac{7}{8}$ in. Pp. 116 7*s.* 6*d.* J. & A. Churchill, 7 Great Marlborough Street, London, W. [One of a series of text-books dealing with modern chemical research. In the present small volume Dr. Maxted gives an account of the experimental work and general principles underlying the commercial synthesis of ammonia, the importance of which subject was brought home to the nation during the war. The nitrides receive adequate treatment, and an interesting chapter is given on active nitrogen.]

Personalities.

Mr. W. R. Hewlins, chemist and druggist, Leatherhead, has been elected a member of the local urban council.

Miss Miriam S. Neal, chief cost accountant at the factories of Allen & Hanburys, Ltd., has been elected a Fellow of the Institute of Cost and Works Accountants.

Mr. H. E. Jordan, chemist and druggist, Pontardawe, who has been assisting in relief work at the local Labour Exchange, is suffering from a breakdown, brought on by over-strain.

Mr. Benson Harries, chemist and druggist, Newport (Mon.), has been elected a Vice-President of the local chamber of trade, which organisation he represents on the Newport Rotary Club.

A. Bourjois & Cie., Ltd., referring to the note in this column last week regarding the appointment of Mr. Reeson, late perfumery buyer at Harrod's, ask us to point out that Mr. Burbidge is not the only other London representative. The company have, in fact, three other London travellers.

Mr. E. M. Holmes writes us that he was able to get out in his garden for several days last week, and that he is making good progress towards recovery. The wound in his leg will probably be healed at the end of this week, but three months will elapse before he can be fitted with an artificial leg.

Mr. Leo. Joseph, J.P., chemist and druggist, Cardiff, a member of the Executive of the Retail Pharmacists' Union, has been elected chairman of the Welsh League for the Taxation of Land Values. Mr. Joseph has also been re-elected to the board of management and to the chairmanship of a committee of the King Edward VII. Hospital, Cardiff.

In "The Star" of April 18 an account is given of unusual circumstances connected with an offer made in a London police court to adopt a baby. It appears that the offer was made by Captain Ernest Martlew, chemist and druggist, who, it is stated, was foreign correspondent to Heppells, the well-known West-End chemists, and speaks seven languages.

Mr. W. E. Critchley, who was formerly an assistant with a Liverpool pharmacist, and is now an ex-Service student at the Liverpool School of Pharmacy, has been invested with the insignia of membership of the Order of the British Empire (Military) by the Lord-Lieutenant of Lancashire. Mr. Critchley joined the R.A.S.C. (M.T.) soon after the outbreak of war, and, having passed the requisite driving tests, was sent out to the East, where he remained until January 1920. While in Egypt, in 1917, he took a course of instruction in an officers' infantry school, and subsequently qualified as a technical officer in the R.F.C. (now the Royal Air Force). In the latter capacity he served in Egypt, the Balkans, Russia, and Turkey. The 17th Squadron, to which he belonged, was the oldest squadron on service and the first to enter Bulgaria and Turkey.

Mr. W. E. Critchley.

Alderman W. B. Trick, J.P., chemist and druggist (Lewis & Burrows, Ltd.), New Barnet, has received the following Masonic honours in the Grand Lodge of England, by command of the Duke of Connaught, W.G.M.: In Craft Masonry, Assistant Standard-bearer; in Arch, Past-Assistant Director of Ceremonies. Alderman Trick has been for forty-three years a member of the Highgate Lodge, No. 1366, and is its senior member and treasurer. He was Mayor of Stoke Newington in 1906-07.

Sir Alfred Mond, the new Minister for Health. His father was one of the founders of the well-known chemical-manufacturing business of Brunner, Mond & Co., Ltd.

Marriages.

Phillips—Ellis.—At Wesley Chapel, Limerick, on April 13, William Farr Phillips, elder son of Mr. Augustus Phillips, "The Sycamores," Derby, to Mabel, only child of Mr. Richard Ellis, R.D., 3 New Wellington Terrace, Limerick.

Stout—Rollo.—At the Imperial Hotel, Aberdeen, on April 12, by the Rev. C. F. Hunter, B.A., Charles B. Stout, chemist and druggist, Lerwick, to Gladys Maud, only daughter of Mr. A. B. Rollo, "Morefield," Mid Stocket Road, Aberdeen.

Silver Wedding.

Hillman—Stroud.—At Wroughton Parish Church, on April 9, 1896, Edward Stowers Hillman, chemist and druggist, Cornwall Road, London, W. 11, to Blanche Elizabeth, eldest daughter of Mr. T. P. Stroud, Marlborough Road, Swindon.

Deaths.

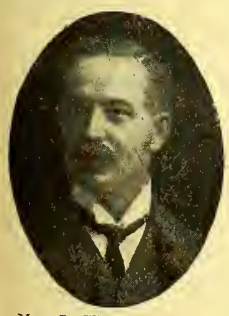
Billings.—At 7 Leamington Road, Bournemouth, on March 27, Mr. Sydney James Billings, chemist and druggist, aged forty-five.

Cooling.—At 34 Elm Road North, Prenton, Birkenhead, on April 14, suddenly, Esther, wife of Mr. Francis Charles Cooling, Ph.C., 29 Christ Church Road, Oxton. Mrs. Cooling was a member of the ladies' Committee of last year's British Pharmaceutical Conference, in which her genial and sunny disposition was a much valued asset. She leaves two young daughters. The interment took place at Rake Lane Cemetery on April 18. Among the numerous wreaths was one from the Birkenhead and Wirral Pharmacists' Association, of which Mr. Cooling was ex-President, and one from the ladies' Committee. The following were among those present at the service: Mrs. Ashcroft and Mrs. W. J. Williams (colleagues on the ladies' Committee), Messrs. Stephen Jones and H. Stockdale (Birkenhead), Mr. W. A. Wynne, Ph.C. (Rock Ferry), Messrs. C. Wherly, R. G. Govier, and J. G. Duncan (Wallasey), Mr. C. W. Cooke (Hoylake), Mr. W. J. Williams (Evans Sons Lescher & Webb, Ltd.), and Mr. C. Jones (Allen & Hanburys, Ltd.).

Coupland.—At 253 Rye Lane, Peckham, London, S.E. 15, on April 15, suddenly, Mr. Arthur Coupland, chemist and druggist, aged forty-nine. (See p. 34.)

Dawson.—At Ealing Hospital, London, W. 5, on April 4, as the result of a street accident, Mr. Edwin Dawson, chemist and druggist, 80 Pittshanger Lane, aged fifty-six (see p. 34). Mr. Dawson, who was unmarried, had been in business in Ealing for fifteen years.

Deakin.—At the Kenilworth Hotel, London, W.C. 1, on April 15, suddenly, Mr. John William Deakin, J.P., chemist and druggist, "Braeside," Hartford, Northwich, aged fifty-seven. Although Mr. Deakin had only come to the front in pharmaceutical affairs in recent times, he had for many years previously filled public positions in Northwich, where the greater part of his life was spent. It was intended, in his boyhood, that he should enter the medical profession; but this aim was deflected as time went on, and in 1885 he qualified as a chemist and druggist. He lost his father while young. The successful business that he established at 36 Witton Street, Northwich, has for the past eight years been managed by Mr. Herbert Wallington, a relation by marriage. Twenty-one years ago Mr. Deakin was appointed a justice of the peace for the county of Cheshire, and before and since then he has been President of the local chamber of trade, chairman of the urban council, a trustee of the United Methodist Church, and a member of many other public bodies. In 1913 he was presented with his portrait by the Northwich Gladstone Club. Mr. Deakin's membership of the Council of the Pharmaceutical Society dated from 1916, but for some time before his election he had been doing sterling work in connection with the National Insurance Act and other matters affecting the polity of pharmacy, and was regarded as a leader of sound endowment. His subsequent work on the Local Associations Executive and, up to almost the last hour of his life, for the newly formed Retail Pharmacists' Union is widely known. It was at the meeting at which he was unanimously elected chairman of the Union's Executive that his fatal seizure occurred; and the fact lends additional pathos to the sad event. He passed away, in spite of skilled attention, in the course of a few hours, leaving a widow, a son (who is studying at Cambridge University), and a daughter. Deep sympathy will be felt for them and for the two brothers (one of whom is Mr. W. W. Deakin, chemist and druggist, Clown, Chesterfield) and two sisters who survive him. The funeral service took place on April 19 at Hartford Parish Church, the interment following in the cemetery adjoining. The pharmacists present assembled prior to joining the *cortège*, which, marshalled by the chief constable of Northwich, proceeded through streets lined on both sides by a respectful throng of townspeople; the pharmaceutical, Masonic, and other representatives were so numerous that the church was filled to overflowing. The service was conducted by the vicar of Hartford, and the lesson was read by the minister of the Methodist New Connexion Church at Northwich. Numerous wreaths were sent by societies and other bodies with which Mr. Deakin had been connected, including one from the Liverpool Rexall Club. Among those who attended, in addition to relatives, to pay the last tribute were: Mr. E. T. Neathercoat (President of the Pharmaceutical Society of Great Britain; Mr. John Keall (vice-chairman of the Retail Pharmacists' Union Executive); Mr. R. L. Gifford and Mr. L. M. Parry (members of the Pharmaceutical Society's Council); Mr. John Cleworth (President of the Manchester Pharmaceutical Association; Messrs. Eastwood, A. Hershberg, A. J. Pidd, T. Miller, J. Collins, Pattinson, and Scholes (officers and members of the Manchester Pharmaceutical Association); Mr. J. H. Nidd (member of the Retail Pharmacists' Union Executive); Mr. A. Birtwisle (representing the Northwich Division Pharmaceutical Association).



Mr. J. W. Deakin, J.P.

Hind.—At his residence at Ashton-on-Ribble, on April 8, Mr. Thomas Frederick Hind, of Hind & Lund, Ltd., Preston, engineers, and makers of the "Atlas" sifters, mixers, grinders, &c., aged seventy. Mr. Hind travelled extensively in Spain, Russia, and Scandinavia, and had returned from Madeira only the week prior to his death.

Manning.—At Park Corner, Fairford, on April 5, Mr. Henry Manning, chemist and druggist, aged eighty-two.

Ridley.—Recently, Mr. J. W. Ridley, of the staff of S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C. 1. With the passing away of Mr. Ridley a gap is made in the group of "Maw's veterans" that formed the subject of an article in The Chemist and Druggist five years ago (*C. & D.*, 1916, p. 851). Mr. Ridley joined the House of Maw on July 2, 1865, received a cheque from the directors on completing fifty years' service, and remained at his post, in spite of failing health, until within a few days of death. In that simple record is comprised the life-history of a man content to perform quietly and efficiently whatever duties were allotted to him, without seeking fame. To such men the commercial standard of our country owes much.

Mr. J. W. Ridley.

Trade Notes.

Season Goods.—Jenier's cloth balls and straw-hat cleaner are advertised in this number. A special window-show offer is made, applying to orders received during April.

Raspberry Vinegar free from artificial flavouring or colouring is offered by Bratby & Hinchliffe, Ltd., Sandford Street, Ancoats, Manchester, in their advertisement in this issue.

"Sanoid" Socks.—The price of these socks was not reduced as stated last week—it is 10½*d.* per pair. Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, gave the correct prices in their advertisement last week.

"Swimeesy" Buoys for assisting bathers in acquiring the art of swimming are a speciality of Dean's Rag Book Co., Ltd., Elephant and Castle, London, S.E. 1. The buoys are readily saleable in seaside pharmacies.

New Price-list.—Chas. Zimmermann & Co. (Chemicals), Ltd., 9 and 10 St. Mary-at-Hill, London, E.C. 3, have issued a new net price-list of proprietary and patented fine chemicals for which they are agents. Upwards of 150 are enumerated.

"Pivotal Points in Photography."—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. 1, referring to the photographic booklet they issue with the above title, ask us to state that further copies will be sent to photographic chemists on request.

Durapede.—C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, London, E. 1, advertise two special preparations for applying to the feet. These are Durapede, a liquid application for tender and hot feet, and Easiped foot-bath tablets.

Lemofizz.—Mr. J. E. Garratt, 96 Southwark Street, London, S.E. 1, advertise Lemofizz, an effervescing lemonade powder, which is packed in packets retailing at 6*d.*, 1*s.*, 2*s.*, 10*s.*, and 33*s.* 4*d.* The wholesale terms, trial orders, and discounts are given in the announcement.

Eno's Fruit Salt.—A reduction in the wholesale price of Eno's Fruit Salt is announced in the advertisement in this issue of J. C. Eno, Ltd., Blackfriars House, New Bridge Street, London, E.C. 4. Particulars are given of the new price cards, which will be sent on receipt of a postcard request.

Davol Price List.—We have received from the Davol Rubber Co., Providence, Rhode Island, U.S.A., a copy of the export edition of their catalogue. This is a beautifully produced list in English, Spanish, and French. All the rubber goods are illustrated, and full specifications are given. The goods listed include rubber bottles, syringes, teats, sponges, sheetings, cushions, and bedpans.

Maw's "Parex" Parlour.—If the original frequenters of the Cooks' and Pastelers' Hall—the site of which, grave historians tell us, is covered by some part of the headquarters of the House of Maw in the City of London—could revisit the spot, they would unquestionably be filled with admiration, both in the old and the present senses of the word. Not far from the main showroom at the head of the first flight of stairs, Messrs. Maw have installed a rest-room for the use of their customers that is eloquent of well-planned comfort. Readers of "M.S.S." are aware that a new colour-scheme has lately manifested itself on the cover of that vigorous house-organ, and this scheme seems to have attained its complete manifestation in the furnishing of the "Parex" parlour. There are, naturally, additional touches of colour, such as the white marble of the hearth surrounding a polished steel fireplace and the deep blue of the carpet; but the whole effect is one of artistic unity. A daring note is struck by the interpolation of a bowl of goldfish resting on a tiled slab midway in the long settee that runs under the windows—the decorative linen curtains of which, by the way, have a subtle affinity with a hand-painted screen on the opposite side. A dainty writing-table stands at a convenient angle, and a *C. & D.* representative who looked in the other day discovered that real tea is not unknown.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(*From "The Trade-marks Journal," April 6, 1921.*)

"Cellastic"; for chemicals (1). By British Cellulose and Chemical Manufacturing Co., Ltd., 8 Waterloo Place, London, S.W. 1. 408,793. (Associated.)

"Solbar"; for chemicals (2). Device of three spades in circle; for chemicals (1). By F. Bayer & Co., Leverkusen, nr. Cologne, Germany. 410,562; 411,627.

"Zee-Kol"; for veterinary chemicals (2). By Violet Nathan, 30 Belsize Park, London, N.W. 3. 394,611.

"Sonel"; for disinfectants (2). By A. Gibson, 8 Albert Street, Belfast. 407,716.

"Summit"; for chemicals (2), and for medicinal chemicals (3). By the Lawrence Chemical Co., Ltd., 5 and 6 St. Dunstan's Hill, London, E.C. 3. 412,245/246. (Associated.)

"Aspro"; for medicinal chemicals (3). By G. R. Nicholas & Co., 10 City Road, Princes Bridge, Melbourne, Australia. 405,787.

"Sibbalene Africanda"; for ointment (3). By Sibbalene (Parent Company), Ltd., 32-34 Southern Life Buildings, Smith Street, Durban, S.A. 406,827.

"Wyntol"; for medicinal chemicals (3). By Wynter Bros. & Co., Ltd., 18 and 20 Low Green Terrace, Great Horton, Bradford. 409,527. (Associated.)

"Ilo"; for an eye-lotion (3). By the Anglo-French Drug Co., Ltd., 236A Gray's Inn Road, London, W.C. 1. 411,425.

"Scur," monogram in oval border; "Scurenaline"; "Scuroforme"; for medicinal chemicals (3). By Société Chimique des Usines du Rhône, 21 Rue Jean Goujon (Ville), Paris. 411,705/706/708. (Associated.)

"Sunice"; for all goods (3). By the Gum Tragasol Supply Co., Ltd., Hooton, Cheshire. 412,194.

"Peldo"; for medicinal chemicals (3). By C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, London, E. 1. 412,449.

"Hyalomiel"; for perfumery, etc. (48). By Féret Frères, 60 Faubourg Poissonnière, Paris. 399,959.

"Kiniyida" and "Hamalkah"; for toilet articles (48). By R. Neville, 25 Hamilton Road, Ealing, W. 5. 410,044/045.

"Derwillo": for cosmetics and toilet lotions (48). By M. E. Wilder, 77 South Avenue, Rochester, U.S.A. 410,371.

"Iyalode"; for all goods (48). By M., R., and O. Neville, 25 Hamilton Road, Ealing, W. 5. 411,075.

"Satinol"; for dentifrices (48). By W. T. Rogers, 50 Loughborough Park, Brixton, London, S.W. 9. 411,193.

"Shanar"; for toilet articles (48). By J. Shannan, 3 Sandringham Parade, Ealing, London, W. 5. 411,870.

"Jalco"; for toilet preparations (48). By J. A. Langton, 17 Loughborough Park, London, S.W. 9. 412,355.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first hand suppliers of the undermentioned articles will be appreciated:

R/204. Salactol
E/204. Nupuss
D/194. Becker's or Bekkar's pine tar soap (not Packer's)
E/184. Nivosine face-powder
B/204. Hygeia toilet-cream
C/232. Presstale
T/144. Cheap turned-wood boxes
B/194. Larnix absorbent filters
S/204. Compound syr. white pine with tar

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4.

Acme inhalers, M/194
Allcock's plasters, H/174
Allen's hair-restorer, D/164
Ayer's hair-restorer, D/64
Besorbon snuff, B/194
Carbolacene blocks, E/194
Cassia beareana ext., B/184
Chatterton compound, B/184
Hunt's bottle caps, B/184
"Kursalis," E/154
Melrose tablets, D/64
Monitor tooth-brushes, M/184
"Revloo" foot socks
Sulpharsenol, B/154
White dextrine, T/184
Wood-pulp containers, P/194
"Zom" pile ointment, H/194
"Zondo" disinfectants, F/154

Observations and Reflections.

By Xrayser II.

The New Insurance Dispensing Terms

are better than last year's, but they are hardly so much better as to be accepted without protest. It was very generally felt at the beginning of the year that the increase we were asking for was not sufficient, and what is now, after three months' wrangling, granted us is somewhat less than that, and is not, as it ought to have been, retrospective. The abolition of the stock mixture and the simplification of the fees are great improvements, but it is doubtful whether we shall gain much from the financial point of view. Only experience can, as your last week's contributor said, assure us on that point. The warning that the terms may be reduced at any time if the cost of living decreases seems to show that whatever advance we have received hitherto has been regarded as of the nature of a bonus, not a permanent addition to our pay. It is assumed that in normal times our original remuneration would have been ample, whereas we have all along contended that we were underpaid from the first. To that we still adhere, and contend further that any increase hitherto made to us has been incommensurate with the increased cost of living and of business expenses. We have left ourselves no alternative but to accept the new terms; still, I venture to think I have shown reason for regarding them as unsatisfactory.

Veterinary Surgeons

ought, of course, to have the power of prescribing the drugs aimed at in the "Dangerous Regulations," and agricultural societies are bound to see that it is granted them; but, as I pointed out the other week, this is not sufficient to meet the necessities of the case, and I was glad to see that the Derry Committee of Agriculture was dissatisfied with it. There are hundreds of villages and "odd" places up and down the country in which there are no resident vets., and in which the farmer's only safeguard in case of a sudden attack of illness in his stock is to have a remedy ready to hand. The medicine-chest is, in fact, a prime necessity on most large farms, and a medicine-chest without some at least of these drugs is a farce. Such chests cannot be replenished by prescriptions: the farmer has from time immemorial gone to the druggist for his supply, and I have never heard of the custom being abused. That it should be forbidden now is a monstrous injustice to both farmer and druggist, and we ought to protest against it with all our power.

Pharmacy

is evidently the great stumbling-block in Part I. of the Qualifying examination both in London and Edinburgh, and the fact must have some significance. On the face of it one would suppose it to mean that candidates are now more frequently school-trained than shop-trained. In my time the subject most dreaded was, I think, botany, and after that chemistry, neither of which came directly in the course of shop work. The tables are now turned. It is the academic subjects that are most studied, the more immediately practical and important one that candidates are least familiar with. This is exactly what one might have expected to happen under the new conditions, and unless I am much mistaken it is of bad augury for the trade.

The North Londoners

were in merry mood at the Monico, but there was a note in some of the speeches slightly reminiscent of the writing on the wall. The President's somewhat audacious reference to "the historic telegram" appears to have been received as the joke it was no doubt meant to be, but Mr. Andrew "got home" subsequently in his warning to the two retiring Councillors that they were expected to mend their ways, for virtually that is what the remark about the Councillors of the future, so pointedly addressed to them, amounted to. Apart from any personal application it may have had, the remark was timely, and should be taken to heart both by candidates and by electors. Speaking broadly, the Council in the past has not served us so well as it ought. The fault was largely our own: we have had the government we deserved. We have not, except at times of crisis, taken the Council very seriously, and its members have often paid us back in our own coin. Other times, other manners. We have entered upon a new era, and the Council must conform to the new conditions.

Mr. Mallinson

made a dexterous use of trade-union custom in opposing the application for licences to sell agricultural poisons at Mansfield, but his plea would have been a little *infra dig.* had he been speaking as a secretary of the Pharmaceutical Society. Here, again, we see the advantage of having two strings to our bow—a union representing our business as well as a society representing our professional interests—and in such a court it is more than likely that the latter would be the less effective of the two. At all events, Mr. Mallinson's plea succeeded where the professional one has often failed. I hope it does not show a base and sordid spirit to be glad that we can be protected as trade unionists when protection as professional men is denied us.

Last Week's Retrospect

reminds me of an incident which I mention only in illustration of the conditions of assistants in the drug trade fifty or sixty years ago. In the 'sixties of last century I applied to Mr. Sandford for a situation as an indoor assistant in his shop in Piccadilly. I had been for the previous four years with a well-known chemist in the West End, by whom I was recommended to Mr. Sandford. We speedily came to an agreement regarding salary, hours out, etc., and I then asked whether he lived on the premises. "Oh, no," he said; "it is a lock-up shop." "And what arrangement have you for rooms, etc.?" "Rooms? Ah! You sleep here"; and he took me behind the counter at the further end of the shop, and, pulling out a deep, wide drawer, showed me my bed ready furnished. "As for meals," he continued; but I stopped him. I should not require any meals. He seemed genuinely astonished at my declining the situation, and assured me he never had any difficulties in getting assistants. I do not give this as quite a typical case, but I have heard of situations which the holders would have done well to exchange for Mr. Sandford's, though it did not suit me.

"John Bull's" Letter

to the Leeds Medical Officer needs emendation in one particular. It refers to men with the Apothecaries' Hall or Pharmaceutical Society qualifications as if both kinds were "qualified chemists," whereas the former are not qualified chemists at all. The writer of the letter may have been misled by the fact that the dispensary offered the same salary to both classes of men, thus putting both on the same level as regards qualification. This is an added insult to pharmacists if done designedly; if done in ignorance, it shows an amazing lack of intelligence on the part of the dispensary managers.

An Aspirin Agitation.—Medical influence is presumably to be traced in brief articles that have lately appeared in the lay Press under some such heading as "Peril of Aspirin," the conclusion reached by the writer or writers being that aspirin should be placed in the Poisons Schedule. An anonymous commentator designated "a Harley Street physician" is made to remark, however, that "the question of placing preparations of this class on the Poisons Schedule is undoubtedly complicated."

A Thriving Business?—Lecturing in London recently, Professor Adami, Vice-Chancellor of Liverpool University, said that though it had been abundantly proved that malaria was due to mosquitoes, and that the progress of the malarial bacteria could be arrested by pouring oil on the stagnant waters, so difficult was it to destroy deep-rooted tradition that there were still many people in Cambridgeshire who did a thriving business by supplying the country folk with their weekly bottles of laudanum as a supposed safeguard against malaria.

"SANITAS"
NON-POISONOUS
DISINFECTANTS
FLUIDS, POWDER, SOAPS & APPLIANCES
Should be stocked by all Chemists.
THE "SANITAS" CO., Ltd., LIMEHOUSE, LONDON, E.14

British made and British owned.
CARAMEL
(Sacch Ust.)
Buy from the Actual Manufacturers.
Lichtenstein & Co., Ltd.
(L. M. Lambert, Managing Director)
Established in London, 1880.
Colne Works, Uxbridge, Middx.

NATIONAL M.R.P.L.
Minimum Retail Prices, Dispensing Charges, Packed Goods Prices.
Revised Monthly by 250 Pharmacists.
"Stick to the M R.P.L."—Glyn-Jones.
ADOPTED BY 150 Chemists' Associations.
5/- p. a., from 194 BISHOPSGATE, E.C. 2.

ART OF DISPENSING. (9th Ed.) 8/-, by post 8/9.
VETERINARY COUNTER PRACTICE. 7/6, by post 8/3.
CHEMIST'S DICTIONARY OF MEDICAL TERMS. 3/6, by post 3/10.
The CHEMIST & DRUGGIST, 42 Cannon Street, E.C. 4.

Important Notice to the Chemist Trade.
Messrs. J. Margerison & Co.,
White Windsor Soap Works,
Preston,
having terminated their agreement with SOLE AGENTS, are now in a position to supply DIRECT to the Chemists their well-known Toilet Requisites, including the famous
BUTTERMILK SOAP,
MARDONIA TOILET SOAP,
MARCURA SKIN SOAP,
SHAVING STICKS,
DENTAL CREAM,
and the Original
WHITE WINDSOR SOAP.
Messrs. J. Margerison & Co. make a speciality of "OWN NAME" SOAPS, and a price list showing best terms for these and the large variety of other toilet preparations will be sent on application.
Chemists' own formulæ will be treated confidentially and instructions carefully carried out.

Revised Prices.
NATIVELLE'S DIGITALINE Granules

	Retail Each.	Per Dozen.
gr. $\frac{1}{600}$ and $\frac{1}{240}$	4/-	31/-

HEMOSTYL

Ampoules	5/6	51/-
Tablets	5/-	50/9
Syrup	7/6	75/-

SULFARSENOL. The new Anti-Syphilitic.
All dosages at reduced prices. List on application.
WILCOX, JOZEAU & CO.
Foreign Chemists, Ltd.
49 HAYMARKET, S.W.

For Quality in
LIQUID PARAFFIN, B.P.
Petroleum Jellies, B.P.
AND
WHITE Brilliantine OILS
STERNS Ltd. 80 Royal London House, Finsbury Square, E.C. 1.

S.V.R.—Absolute Alcohol
AND
CHEMISTS' WINES.
Jas. Burrough Ltd. D.1 Cale Distillery, Hutton Rd., LAMBETH, S.E.11.

Editorial Articles.

The Cost of Chemists' Defence.

The annual meetiug of the Chemists' Defence Association, which is reported elsewhere in this issue, marks an interesting stage in the history of that Association. It is the twentieth annual meeting, and the report was the last one to be issued under the old *régime*. Since the new year it has not been possible to become a shareholder of the Association upon the old basis, it being necessary now to subscribe to other associations to obtain the benefit of defence advice and expenses and indemnity benefit for claims made for business accidents. That the Association has filled a useful part in helping chemists in their business no one can deny, and, as it is stated that there has been a large accession of members since the New Year, it is safe to say that still further benefits will accrue. One interesting feature is that the reserve fund has now reached nearer the sum of 20,000*l*., which

approaches the time when the Association will be able to undertake insurance business in addition to defence work. It will thus be seen that the average addition to the reserve fund has been under 1,000*l.* a year, although, of course, part of the money is derived from accrued interest. It has to be borne in mind also that the value of the investments varies, and that it will still be necessary to add to the reserve fund before the full amount of the Government deposit required from insurance companies is reached. The amount spent on claims for damages and legal expenses during 1920 is exceptionally high, and this year the two items—usually kept distinct—are lumped together. It is no secret, however, that the amount of legal expenses has been high owing to the large number of cases which had to be defended under the Profiteering Act. This source of anxiety will be removed in about a month's time, so that the next twelve months should show a brighter balance sheet. It is interesting to work out what proportion of the yearly subscription is expended in claims and legal expenses. We have gone into the figures for the ten years 1911-1920—those for 1921 not being suited for the purpose—and find that during the ten years, with an aggregate of 46,841 members, the amount spent on claims and legal expenses amounted to 5,599*l.* 3*s.* 9*d.*, made up of 3,298*l.* 3*s.* 6*d.* for claims and 2,301*l.* 0*s.* 3*d.* for legal expenses. This shows that of the subscription of 15*s.* (assuming that the greater part only paid this sum) each member obtains a benefit of 2*s.* 4½*d.*, or 1*s.* 4¾*d.* for claims and 11¾*d.* for legal expenses. The amount placed to the reserve fund is about twice that required for the above benefits, so that, roughly, it costs 7*s.* 6*d.* to administer the 7*s.* 6*d.* (approximately) which a shareholder receives in benefits. The time is approaching when it should be unnecessary to accumulate more reserves and when either greater benefits can be given to the shareholders or the amount of the annual subscription be reduced.

The New Revenue Bill.

With the normal rate of income-tax 6*s.* in the £ and the exemption limit at so low a figure as it is, making allowance for the depreciated value of money, it is only to be expected that a measure dealing with matters of taxation should attract general attention. This the new Revenue Bill has already done, and the Press has contained many notices—for the most part very unfavourable to its provisions. For, while it cannot be looked upon as imposing any new burden on the taxpayer, its authors lay themselves open to the reproach of tampering with the recognised historical safeguard provided by the tax Acts against any tendency to official tyranny, and thus an opening has been given to denounce the Bill as a step towards increasing the bureaucratic power of which the country has already had more than enough. The Bill proposes to alter in a rather fragmentary way both the basis of assessment to income-tax under Schedule D (the schedule applicable to trading profits), and the machinery for the assessment and collection of the tax generally. Instead of the present basis, which is, in nearly every case, the average of the three previous years, it is proposed that the basis shall be the profits of the year preceding the year of assessment, except in regard to new businesses, in which the assessment will be on the profits of the first year. It is not, however, intended that this shall come into effect at once. Normally the taxpayer will be assessed for the year 1922-23 on the profits made by him in the year 1921, but if the average of the profits of the first two or three years is less than the profits of the actual year the taxpayer may claim to be assessed for the years 1922-23 and 1923-24 on his average profits as previously. Then provision is made for carrying forward any losses suffered in business, so that these may be deducted from the profits assessed in any of the six following years of assessment. Provision is also made for new businesses, for those which have ceased during the year, and businesses which have changed hands. The changes in the machinery of assessment are those which have provoked most adverse comment. The Bill abolishes the office of assessor, and the inspector, previously known as surveyor, will make all assessments under Schedule D, except in the following cases: (*a*) Where the assessment is made on the amount shown in the taxpayer's return; (*b*) where the liability has been computed from accounts supplied by the taxpayer for that purpose; and (*c*) where the assessment is not to exceed the taxpayer's assessment for the previous year. The Bill expressly preserves the taxpayer's right of appeal to both the general and the special commissioners, and also the right to elect to be assessed by the special commissioners. At the same time, the machinery of the appeal tribunal is improved by giving the commissioners, when hearing an appeal, power to require any information and the production of any evidence which may appear to them necessary for the determination of the appeal. In future, too, a person who is in receipt of interest from tax-free Government securities may elect to have the tax deducted from the interest when paid to him. The clauses other than those dealing with income-tax are of minor importance, though two deserve notice. Clause 26 is a recognition of some recent advances in chemical science. When the Spirits Act, 1880, was passed the possibility of producing spirits on a commercial scale by any other process than fermentation and distillation was not contemplated. As it has recently been found that they may be produced by the synthetic method, the Bill gives the commissioners power to make regulations to control the new processes. By Clause 33 a curious anomaly in administration has been removed. Under some provisions of the Sale of Food and Drugs Acts articles of food or drugs could be sent to the chemical department at Somerset House, and, since 1909, to the Commissioners of Customs and Excise for testing, and this has continued, although the Government laboratory has for some time ceased to be under the control of the Commissioners of Customs and Excise. Under the Bill the samples may be sent direct to the laboratory.

German Poison-gas Factories.

Over two years ago a British mission visited Germany to report on the chemical factories which were engaged in making explosives and poison-gas for use in warfare. The factories visited were in the British, Belgian, and French zones, and included the Farben-fabriken vormals Friedrich Bayer (Leverkusen), the Farbwerke vormals Meister Lucius und Brüning (Höchst), Kalle & Co. (Biebrich), and the Badische Anilin und Soda Fabrik (Ludwigshafen), known in the drug-trade as manufacturers of fine chemicals. The eight members of the British mission included Mr. F. H. Carr, Dr. H. Levinstein, and Mr. W. Macnab, the two first-named being entrusted with the investigation into the manufacture of poison-gas. The report of the mission has for some reason been held back, and was published in the United States before it was available here. It may also be recalled that the report

of the United States mission was published in the *C. & D.*, June 28, 1919, and details of the amount of poison-gas made in the German chemical works were given in a later issue. It is unnecessary, therefore, to print further details of the degrading practices of the German chemists. The report is so belated that it is of little value now, because other reports which have been made public have covered the same ground in the meantime. We may, however, quote the following references to factories which make organic chemicals :

At the outbreak of war this country was competing successfully with Germany in the heavy chemical trade (acids, alkalis, and bleach), but the organic chemical industry (dyes, pharmaceutical products, etc.) was almost entirely in German hands. British organic chemical works were much smaller than their German competitors, and all British chemical works were much more specialised, dealing separately with heavy chemicals, dye substances, and pharmaceutical products. They were not linked up in a combination such as that now existing in Germany. The big German firms referred to produced heavy chemicals, dyes, and pharmaceutical products in the same works. This method of production has many advantages, as much transport is avoided and by-products can be utilised direct, owing to the large variety of chemicals made in one factory. The range of production on a large scale also enabled the German works to crush competition in any one branch by selling below cost price, without any material reduction of their annual profits. It was stated by the Badische Co. that the financial arrangements between the companies in the combination prevented losses falling on any individual member of the combine. Thus, for instance, if a large profit were made by the production of synthetic ammonia at Oppau and Merseberg, the combination could afford to sell dyes below cost price. During the war considerable progress was made in this country in producing dyes and pharmaceutical products for which we had previously been dependent on Germany, but this expansion was made at a time when the energies of most firms were directed to producing munitions, and when it was difficult to obtain suitable plant, and considerable assistance will be necessary in order to protect our organic chemical industry before it is sufficiently strong to withstand German competition.

The main strength of the German chemical industry is in its organisation and in the large scale of its production, which has been made possible by the ample financial support it has received. At the present time the British fine-chemical industry is at the cross-roads: the ability to manufacture has been amply shown, but the vacillating policy of the Government has injured the prospects to such a degree that it is doubtful whether the industry will survive.

Printed-matter Post.

Further light has been thrown upon the limitations of the printed-matter postal rate of ½*d.* by a letter which has been received from the Post Office by one of our subscribers. Our correspondent had been in the habit of enclosing cheque with statements sent to wholesale houses, and has had one of these delivered as "liable to letter rate." On inquiring the reason, the reply is :

No paper money (which includes cheques) may be posted or conveyed or delivered by post as a "Printed Paper." The enclosure of the cheque with the accompanying invoice rendered the packet (cover enclosed), which was prepaid ½*d.* only, liable to the letter-rate of postage, and in the circumstances the surcharge of 3*d.*—*i.e.*, double the deficiency at that rate—was in order.

Dangerous Drugs Regulations.

In the comments regarding the Dangerous Drugs Act Regulations last week (p. 48) we should have stated that the Regulations will be in force so soon as they are laid on the table of the House of Commons. It is open to the Commons or the Lords to petition the King for the annulment of the Regulations, but in practice such a thing never takes place. This gives the bureaucrats their opportunity to snub the drug trade, which has caused them to recede somewhat unwillingly and slowly from the high and mighty position that was taken up in January. As the Regulations stand at present, the main part of the business of registered druggists, so far as it relates to the sale of poisons, will be wiped out, as the sale of tinct. opii, which is used in large quantities on every stock farm and also in domestic medicine as a pain-reliever, is to be prohibited. The sale of many proprietary articles will also be forbidden because they contain morphine in quantities that bring the articles within the purview of the Dangerous Drugs Act. It is not likely that the public will pay for a prescription for a proprietary article each time they require to purchase it. To reduce the amount of morphine will render the medicine useless. A belated protest regarding the Regulations appears in "Nature" this week. It is pointed out that, according to the Draft Regulations, it is a criminal offence to be in possession of morphine and other drugs covered by the Act unless these have been procured under a medical prescription. Scientific workers often require the drugs referred to in research work, and keep a stock in the laboratory. It would obviously be an abuse of the medical privileges under the Regulations to prescribe drugs which are not required for the treatment of disease—somewhat resembling the position under prohibition in the United States, where a certain class of medical men "prescribe" whisky for all sorts of ailments.

A Bureaucrats' Strike.

A strike that would be welcomed, but is unlikely to take place. It could be ended by the formation of a National Pool, big enough to take the lot.

Another Sceptic.—"The Profiteering Act lapses on May 19, and I hope that someone, though not at the public expense, will be moved to write a history of its achievements . . . the interesting question is whether, in fact, it achieved anything."—"Our London Letter" in "The Westminster Gazette," April 13.

Chemists' Defence Association, Ltd.

Annual General Meeting.

The twentieth annual general meeting of the Chemists' Defence Association was held at the Holborn Restaurant, London, W.C., on Thursday, April 14. Mr. John Keall (chairman of directors) presided. The secretary read the annual report (*C. & D.*, April 16, p. 40). The chairman, in moving its adoption, commented on the Association's alliance with the Retail Pharmacists' Union, which he characterised as the outstanding feature of the report; the chairman stated that this had resulted in 577 new members joining the Association. He paid a tribute to the retiring secretary (Mr. Johnston), and, in speaking of Mr. Mallinson, said he felt confident that the directors had done the right thing in securing that gentleman's services. He then referred to the satisfactory financial statement, and proposed the adoption of the report and accounts. Mr. J. W. Deakin seconded, saying that those who had been associated with the organisation for many years, as he had been, could look back with pleasure to the fact that at all times, and under all circumstances, they had been well insured and well protected, and that they had been enabled to have recourse to the Chemists' Defence Association for counsel and advice in any difficult position that they might have found themselves. Mr. P. F. Rowsell and Mr. Leo Joseph supported the adoption of the report. Mr. Keith said that, while he regarded it (the balance) as satisfactory, he had to offer a few words of criticism. The contribution of 354*l.* 3*s.* towards the costs of the "Anti-cutting Record" he regarded as very large, especially as he happened to see from the report of the Proprietary Articles Trade Association that that organisation also contributed nearly 200*l.* This meant that about 600*l.* was spent by the two organisations on the same paper. He was of opinion that the directors might exercise a little more economy in that direction. The publication, he thought, ought to be made self-supporting. In former years it realised a big profit, and he saw no reason why it should not be made to do so now. He could not see how the "Year Book" should have cost the Chemists' Defence Association 198*l.* during the past year, seeing that it was mainly devoted to Proprietary Articles Trade Association articles. On the other hand, the book was a source of heavy expenditure to the Proprietary Articles Trade Association, costing it over 500*l.* In his opinion greater economy ought in the future to be exercised regarding these two items. Mr. H. Matthews, referring to the 1,600*l.* paid in claims for damages and legal expenses during the past year, asked for particulars as to the number of cases covered and the largest and the smallest claims paid. He observed that the sum of 72*l.* had been received as commissions. Of what, he asked, did the commissions consist? Seeing that the items of expenditure for the publications named by Mr. Keith were incurred jointly with the Proprietary Articles Trade Association, he did not regard them as excessive. Mr. Hague (Lincoln) was of opinion that if it were not for the two publications it was quite possible a number of subscribers would be lost. The directors, he added, were justified in regarding them in the light of advertisements for organisation. Mr. Greatrex congratulated the directors on having co-opted Mr. Miller and Dr. Barnes on the board. Financially, he thought, the directors had done very well indeed, although those of a more saving and penurious turn of mind could always find fault with any balance-sheet that might be presented to them. Mr. T. Hardy, referring to one investment stated in the balance-sheet of 2,500*l.* on local loans at 3 per cent., suggested that the money might be invested at a greater rate of interest. It was now quite easy, he remarked, to get 6 per cent. on the money. The chairman, replying to Mr. Hardy's point, said that the question they had to consider, however, was what the investment mentioned by Mr. Hardy would yield if realised at its present-day value. One could only have that under new conditions and with a restoration of confidence in the money market there would be an improvement in the value of their securities. The secretary, replying to the other questions, stated that the directors entirely agreed with Mr. Keith that if possible the "Anti-cutting Record" should be made self-supporting, but, in common with most other newspapers, it had, during the past two or three years, to face heavy publishing costs. The Chemists' Defence Association had been called upon to pay in ratio with the Proprietary Articles Trade Association the amount of the deficit. He assured Mr. Keith that the directors were considering methods of making greater use of the "Year Book" from the Chemists' Defence Association point of view. During the past ten years at least the "Record" had been of immense benefit to the Chemists' Defence Association for propaganda purposes, and it was intended to make greater use of it in that direction in the future. His view was that the Chemists' Defence Association had got its money's worth in both publications. He regretted his inability to give Mr. Matthews offhand the particulars for which he asked with reference to the number and amount of the claims. With reference to commissions, the Chemists' Defence Association put its members in touch with certain companies in connection with plate-glass and other insurance which it did not itself cover, and the amount stated represented the Chemists' Defence Association's proportion of the profits on the transactions. With regard to a suggestion of Mr. Greatrex, the secretary stated that the directors have power to bring within the purview of the benefits "any other Act or Statutory Regulation," which, in their discretion, they might regard as vitally affecting the chemist's business. The secretary mentioned the new Dangerous Drugs Act Regulations as an instance of his meaning. He did not know how far he might commit the directors, but he assured Mr. Matthews that his suggestion would receive consideration at their next meeting. The report and financial statement was then unanimously adopted. The alterations to the rules were agreed to. The chairman formally proposed the following, who are eligible by reason of the rules governing the Retail Pharmacists' Union, as additional directors of the Chemists' Defence Association:

Davis, Charles, 90 Warwick Street, Leamington Spa.
Deakin, John William, 36 Witton Street, Northwich.
French, John Edward, 128 High Street, Sittingbourne.
Gilleghan, Herbert, 128 Roundhay Road, Leeds.
Hague, John, 18 High Street, Lincoln.
Hardy, Thomas, 91 Crosby Street, Maryport.
Jackson, Joseph Gilbert, 338 Abbeydale Road, Sheffield.
Joseph, Leopold, 34 Albany Road, Cardiff.
Keith, Alexander Reid, 6 Crisp Street, Poplar, E.
Lloyd, Henry Oliver, 11 Suffolk Parade, Cheltenham.
Martin, Hubert Joseph, 56 Bargates, Christchurch, Hants.
Matthews, Harold Evan, 30 The Mall, Clifton, Bristol.
Melbuish, Andrew Ralph, 78 Duke Street, London, W.
Nidd, John Henry, 714 Rochdale Road, Manchester.
Ridyard, Clement William, Market Place, Codnor.
Walshaw, Richard Carnelly, 4 Market Place, Huddersfield.
Wolff, Hugo, 21 Hart Grove, Ealing Common, W.
Young, Arthur Edward, 16 Gallowtree Gate, Leicester.

Mr. Armitage seconded the election of the foregoing, and this was unanimously agreed to. On the motion of Mr. Joseph, seconded by Mr. Rowsell, Messrs. West and Drake were unanimously reappointed auditors.

Mr. W. Johnston then read the following paper:

Twenty-one Years with the C.D.A.

For the benefit of those whose memory did not carry them so far back, Mr. Johnston reviewed the chief events which constitute the history of the Association. He considered the foundation of the Association as one of the most useful of the brain-waves of Sir William Glyn-Jones. Shortly after the inception of the C.D.A., Mr. Johnston was able to promise a 1,000 members at once and more to follow. This, he said, was the first of a series of successful reports. Of the first eight directors four are alive to-day (Messrs. Pickard and Rowsell, Sir William Glyn-Jones, and Mr. Johnston). After referring to those who were no longer with them, he reminded his

audience that Glasgow has provided the C.D.A. directorate with no fewer than three shining lights, for, in addition to the late Mr. Sutherland, there was, for a time, Mr. Gilmour, now editor of the "Pharmaceutical Journal," and then Mr. W. L. Currie, Past-President of the Pharmaceutical Society. Without the friendly aid of the Proprietary Articles Trade Association at the beginning, it would have been much more difficult to float the C.D.A. The P.A.T.A. lent offices and staff to the new Association until the latter was able to pay its share of the joint expense. By the end of 1901 the subscription income had grown to 827*l.* per annum. The first big claim that the directors had to meet was one for the full amount covered by the Association—viz., 500*l.* This took place just over two years after the formation of the Association. It was lucky for the C.D.A. that it did not happen, say, a year earlier—but then, that was nothing to be wondered at; all Glyn-Jones' enterprises turn out lucky! Though it was a misfortune to the C.D.A. to lose him as its secretary, a year or two after that event, the Association's good luck has never deserted it from that day to this. The chapter in the Association's history headed "Claims for Damages" is an exciting one. No body of men representing pharmacists have ever seen or heard of so many cases of that nature before as the C.D.A. directors have done since 1900. The directors and other officers do not divulge the secrets entrusted to them—even to other members of the Association. This fact, he considers, is one of the advantages of the C.D.A. as compared with other similar bodies which sublet their accident risks. After giving a number of instances of claims for damages which the C.D.A. had settled, Mr. Johnston passed in review the blackmail class of claim. He instanced a case concerning the supply of butter of antimony, which was intended for use against ringworm. Despite the chemist's warning to use carefully, the preparation was applied freely, and the result was a peeled scalp. The C.D.A. won the case for the chemist, although the costs (nearly 300*l.*) could not be obtained, the plaintiff being a poor man. One or two classes of cases are repeated with slight variations, an example being nitric acid and mercury. That ill-assorted pair, he said, ought never to be sold in the same bottle. Another repeater is carbolic acid in its various forms. Occasionally a case provokes a smile. Last Christmas a member was asked for essence of almonds, and peppermint was accidentally supplied. The good lady made some highly flavoured remarks about the chemist's carelessness, and made him pay for it. I do not know," said the speaker, if the chemist tried the plea that peppermint pudding was better for digestion than the almond variety, but he came down on the C.D.A. for reimbursement. With regard to police-court cases, when the C.D.A. was started police prosecutions of chemists were rampant, and much injustice was being done through lack of skilled and persistent defence. The diminution in recent years has been considerable, though the total number of police-court cases of all kinds remains curiously regular in proportion to the number of members. The reasons for the decrease in Food and Drugs Act cases are probably: (*a*) The strenuous defences have opened the eyes of Public Health Committees to the unwisdom of prosecutions in every supposed case of infringement. (*b*) The intelligent opposition which has been presented in court by the C.D.A. solicitors and those instructed by them has convinced magistrates that many of the summonses are founded on the sheerest trivialities. (*c*) It may also be suggested, with perfect fairness, that the vendors of drugs are more particular to-day than they were twenty years ago. Be that as it may, the C.D.A. has never ceased, month by month, from emphasising, not only to its own members but to all engaged in the business of pharmacy, the necessity of keeping things up to standard and of getting warranties when bought. On the subject of warranties, February and April's "Anti-Cutting Record" give important advice. One or two examples of the defences which have been put up by the C.D.A. in special police-court cases were then given, including a celebrated case of effloresced ammonia. Mr. Johnston was able to show by an essay into cake-making with both varieties that effloresced carbonate is not inferior to the clear, from the strictly public point of view. The other use for carbonate of ammonia is as a household cleaner. So the next thing was to see how the two varieties of carbonate behaved on a greasy coat-collar. Except that the clear salt solution cleaned a little faster, the ultimate result was about equal. Mr. Johnston continued: We had a high old time in court on the date of hearing—a regular gathering of the clans! There was A. C. Wootton, of The Chemist and Druggist, and W. S. Glyn-Jones and C. H. Kirby, and several brother-chemists of the defendant. The trade witnesses proved that the public never buy carbonate of ammonia by the ¼ lb. as medicine (our member had been charged with selling a *drug*), and I produced my cakes and told their story. The half-cleaned coat-collar was in court, in case it was wanted. There was a long cross-examination, but the lawyers on the defendant's side had no difficulty in persuading the Bench that the purchaser was not prejudiced, and that he had not bought a drug that time. Another case was a chlorinated-lime defence, in which several members in a country town were involved. After a fight lasting several hours we won our case. With regard to the present position of the C.D.A., some say that the Local Associations Executive has absorbed the C.D.A., and others that it is *vice versa*. Some are saying that the "Alliance" which has been formed is like that between the old man and the tiger. Personally, I prefer a different simile. I realised that the transfer was necessary for the future welfare of the Association, and I preferred that I should be pained by resigning rather than that the Association should suffer hurt by my standing in its daylight. As you are aware, I agreed to stay on for a time and help my successor while he is organising the new Union. We are working together most harmoniously, and he is proving a quick and apt pupil. I cannot let this opportunity pass without publicly uttering a word of thanks to the directors for their long-continued and uniform kindness, which has made the management of the Association a positive delight. Candidly, I do not think any secretary ever had such kind and considerate directors as I have had, for they have let me have my own way almost entirely. I do not mean that it has been a "one-man show"; I mean that, during the countless, anxious discussions on policy and practice, there has hardly ever been any instance of acute disagreement, and never one of soreness between us. I also desire to congratulate my successor on the very efficient office staff he is taking over. My well-trained private secretary, for example, he will find invaluable. I congratulate my successor on the prosperous condition of things he finds on his entry into office, and earnestly wish him and the directors every success in increasing the usefulness of the allied Associations. My last words shall be: God bless and prosper the Chemists' Triple Alliance!

Mr. W. L. Currie proposed a vote of thanks to Mr. Johnston, and hoped that on some future occasion he would give them another paper of an equally high standard.

The secretary, in seconding, said he desired to pay a public tribute to Mr. Johnston for the kind and able way in which he had since his retirement from the secretaryship continued with the work, and for the assistance he had rendered him personally. The vote of thanks was unanimously carried, and Mr. Johnston acknowledged it.

It was stated at an inquest held, on April 16, on the body of R. J. Sewell, a commissionaire employed by Allen & Hanburys, Ltd., London, that he had shot himself through fear of the spread of bolshevism. A verdict of "Suicide while of unsound mind" was returned.

Export of Olive Oil from Greece.—A Greek Law (No. 2566), dated February 27 (old style), and effective as from the date of its publication in the "Greek Government Gazette" of March 2 (old style), authorises the export from Greece of olive oil of the present crop, subject to a special licence being obtained from the Ministry of Supplies. The quantity of olive oil which may be exported from each area will be fixed by the Minister of Supplies.

Retail Pharmacists' Union.

A meeting of the Executive Committee was held in the Board Room of the Hearts of Oak Friendly Society, Euston Road, London, N.W., on April 14. There were present: Messrs. Atkinson, Barnes, Clarke, Currie, Deakin, French, Gilleghan, Hague, Hardy, Jackson, Joseph, Keall, Keith, Lloyd, Martin, Matthews, Melhuish, Milner, Nidd, Ridyard, Rowsell, Wolff, Young, the secretary (Mr. G. A. Mallinson), and Mr. W. Johnston.

At the commencement of the meeting the chair was taken by the secretary, who reported the results of the recent election of the Executive Committee as follows: Messrs. J. G. Atkinson, A. J. Barnes, R. F. Clarke, W. L. Currie, C. Davis, J. W. Deakin, J. E. French, H. Gilleghan, J. Hague, T. Hardy, J. G. Jackson, L. Joseph, J. Keall, A. R. Keith, H. O. Lloyd, H. J. Martin, H. E. Matthews, A. R. Melhuish, J. Milner, J. H. Nidd, S. N. Pickard, C. W. Ridyard, P. F. Rowsell, R. C. Walshaw, H. Wolff, and A. E. Young.

Election of Officers.

The meeting then proceeded to elect a chairman. Mr. Keall moved, and Mr. R. Feaver Clarke seconded, the appointment of Mr. J. W. Deakin as chairman for the ensuing year. This was supported by Mr. Joseph and Mr. Ridyard, and carried unanimously. Mr. Deakin, who complained of feeling ill, accepted the office, but asked that someone else should occupy the chair for the evening. In an eloquent and touching address, he thanked the members for the honour they had done him, and referred to the onerous and important duties which the new Executive would have to perform. He outlined the course which he thought the Union might pursue with propriety and advantage to the trade, and fervently wished prosperity to the Union and its alliances, and all connected with them.

To the great sorrow of the meeting, shortly after Mr. Deakin ceased speaking he collapsed, and had to be carried from the room and in an ambulance to the Kenilworth Hotel, where he died early the following morning (see p. 45).

Mr. Wolff moved, and Mr. Joseph seconded, that Mr. Keall be appointed vice-chairman, and this was passed.

Mr. Keall then took the chair, and expressed his regret at the chairman's indisposition. Mr. Rowsell was appointed treasurer, Messrs. Neve, Beck & Kirby solicitors, and Messrs. West & Drake auditors.

Branch Rules.

Arising out of the minutes, Mr. Wolff asked if branches of the Union were supposed to be self-supporting. He suggested co-ordination of local branches, and outlined a scheme for Middlesex, stating that he did not like the idea of having four branches in that area. The chairman and secretary explained that it would be left to the branches to make their own arrangements as it would be best known to themselves how these could be settled to their own satisfaction—at any rate, better than the Executive would be likely to know. A short discussion took place on the subject of draft rules for branches, and it was agreed that further discussion be postponed.

Insurance Dispensing Terms.

Arising out of the secretary's report, Mr. Keith said he was the bearer of a protest from the London Pharmaceutical Committee against the new terms for Insurance dispensing, because they are not retrospective, otherwise he was not against the acceptance of the terms.

The secretary described the meetings which the deputation had had with the Ministry of Health. He said they did press for ante-dating of the terms, but it was found impossible to secure that. Considering that the new terms were obtained only just in time before the lowering of the cost of living was declared, he thought that, on the whole, panel chemists had considerable cause for satisfaction.

Mr. Rowsell said that their London friends should rather congratulate than blame the representatives.

Mr. Melhuish, Mr. Ridyard, and Mr. Wolff criticised Mr. Keith's statement, and supported the secretary's view.

Mr. Ridyard asked for information respecting agricultural medicines under the Dangerous Drugs Act Regulations.

The secretary explained that nothing had been decided yet by the Home Office with respect to denaturing possibilities, and described the protests against the Home Office propoals which had been made by the deputation from the Retail Pharmacists' Union.

After considerable discussion, it was agreed that the Union should continue the agitation against the obnoxious features of the Regulations.

Correspondence was discussed from the South Wales and Monmouth Federation, the Wolverhampton Branch of the Union, and the North-Western Federation.

Payments amounting to 587*l.* 2*s.* 5*d.* were authorised to be made, and the date of the next meeting was fixed for May 25.

Proprietary Articles Trade Association.

The quarterly meeting of the Council of the Proprietary Articles Trade Association was held on April 14, Mr. F. J. Smith, President, in the chair. The following members of the Council were also present: Messrs. J. A. South (John Steedman & Co.), J. J. Pilley (Mellin's Food, Ltd.), J. A. Kenningham (Condy & Mitchell, Ltd.), F. W. Powell (Thos. Powell, Ltd.), A. Ridout (J. Grossmith & Son, Ltd.), Page Woodcock, A. Bond-Hickisson (John Bond, Ltd.), H. S. Kutnow (S. Kutnow & Co., Ltd.), A. R. Lewis (G. Whelpton & Co., Ltd.), H. M. Read (Hirst, Brooke & Hirst, Ltd.), W. C. Birks (Raimes & Co.), W. Lane (J. Woolley, Sons & Co., Ltd.), J. McCaig (Evans Sons Lescher & Webb, Ltd.), A. J. Webb (May, Roberts & Co., Ltd.), R. Gower (Butler & Crispe), E. Pickering (F. Newbery & Sons, Ltd.), H. Wippell Gadd (Evans, Gadd & Co., Ltd.), W. H. Saunders (Ayrton, Saunders & Co., Ltd.), Wm. Edwards (W. Edwards & Son), A. J. Barnes, J. Keall, P. F. Rowsell, R. F. Clarke, J. G. Atkinson, J. Milner, W. L. Currie, N. N. Armitage, A. Higgs, J. B. Francis, and A. R. Keith.

The secretary reported that an objection had been lodged by the P.A.T.A., in conjunction with the Association of Manufacturers of British Proprietaries and the Retail Pharmacists' Union, to the classification of drugs and druggists' sundries proposed by the railway companies. The P.A.T.A. would be represented at conferences to be called between the companies and traders interested.

Medicine-stamp Duties.

The secretary reported that, following a joint meeting of representatives of the P.A.T.A., the Association of Manufacturers of British Proprietaries, and the Retail Pharmacists' Union, the Chancellor of the Exchequer had been requested to make the under-noted alterations in the scale of medicine-stamp duties:

1. The maximum selling price to the public (including stamp) of an article bearing a threepenny (3*d.*) stamp to be increased from one shilling and threepence (1*s.* 3*d.*) to one shilling and sixpence (1*s.* 6*d.*).
2. The maximum selling price to the public (including stamp) of an article bearing a sixpenny (6*d.*) stamp to be increased from three shillings (3*s.*) to three shillings and sixpence (3*s.* 6*d.*).
3. The maximum selling price to the public (including stamp) of an article bearing a shilling (1*s.*) stamp to be increased from five shillings (5*s.*) to six shillings (6*s.*).

The Chancellor had been unable, owing to the industrial situation, to spare time to meet a deputation, but had arranged a meeting between the parties interested and the Board of Customs and Excise. This meeting duly took place on April 12. The chairman and Mr. Rowsell, who were both present at this meeting, stated that the Board had given a very fair hearing to the Association's

representatives, and that they were hopeful of a concession being made.

Other Matters.

The secretary reported that negotiations were proceeding with representatives of the wholesale grocery trade, as the result of which it was hoped that the increasing cutting of the prices of certain proprietary foods might be checked.

The meeting then considered the financial statement for 1920. Regret was expressed that for the first time in the history of the Association an adverse balance was shown. On the recommendation of the Executive Committee, it was resolved that a sub-committee, consisting of Messrs. F. J. Smith, P. F. Rowsell, and Page Woodcock, be appointed to examine closely the finances of the Association and to determine, in co-operation with the Chemists' Defence Association and Retail Pharmacists' Union, what should be the proportion of expense to be borne by the Association in connection with the new offices.

The Council, upon the recommendation of the Executive Committee, decided that in future the practice of permitting manufacturers upon certain terms to enter into an individual agreement to supply firms on the Association's "stop list" be discontinued.

The Report of the Propaganda Committee was read to the Committee by Mr. John Keall, its chairman. This showed a record of many well-known firms approached on behalf of the Association, of whom the following had, as a result, made application to join: C. T. Congreve and the Urillac Co. It was thought that further proposals would be received. Mr. Keall urged that the names of those firms who gave unsatisfactory replies to the Propaganda Committee's letters should be passed to the secretary of the Retail Pharmacists' Union. This suggestion was approved.

The Council then dealt with applications for the placing of articles on the Protected List, and for the revision of the terms of articles already on the list.

Photographic Fair.

An inspection of the exhibits at the Photographic Fair, which opened at the Horticultural Hall, Westminster, London, S.W., on April 15, reveals to a remarkable extent the progress made in the various branches of photography during the past year, and much information of a practical nature may be gleaned by the visitor. Inventions and improvements in cameras, papers, and developers, and the advances made in colour photography, amply demonstrate that the manufacturers, in spite of trade depression, are full of enterprise. The exhibition of professional portraiture (organised by the Professional Photographers' Association) is well worth a visit, and includes a photograph of Whitby, which may interest members of the British Pharmaceutical Conference. The Fair remains open until April 23. The following are the principal exhibits of interest to the drug-trade:

R. & J. Beck, Ltd., who are showing a complete series of their lenses, suggest that it should not be a difficult matter for the chemist to prove to a customer how much the quality of his work would be enhanced by the substitution of a lens of greater covering power and rapidity; and, in view of this, the company have designed special lenses for several popular models.

Burroughs Wellcome & Co. wish to emphasise the fact that photography is not nearly so expensive as is popularly supposed, provided one goes the right way to work. In support of this statement, a leading feature of their exhibit is a photograph of a screen bearing 250 quarter-plate and 5 by 4 bromide prints, all developed with the contents of a single carton of "Tabloid-Rytol" developer.

W. Butcher & Sons, Ltd., are giving special prominence to folding and cinema cameras and the Carbine tank for daylight developing. Home cinematography is making great progress, and the small portable machines shown are stated to be capable of projecting pictures as perfect as those seen at the theatre.

Reginald E. Carter, Ltd., have everything for mounting photographs, whether it is a frame in wood, metal, or leather, or an album that is required. All are well made and attractive.

Dye Impressions Photos, Ltd., are demonstrating how to make prints from a dye negative by contact only and without exposure to light. A D.I.P. negative paper is exposed in the camera, developed, fixed, etc., and when dry transferred to a dye bath. On removal from this, the negative is squeegeed on to a piece of D.I.P. positive paper. After being in contact for two minutes they are separated, the positive is dried, and is then ready for mounting. If further prints are required, the negative is returned to the dye bath for a minute and the procedure repeated. Prints may also be obtained from ordinary negatives.

E. B. Fry, Ltd., are makers of lantern-slide materials, printing masks, focusing screens, etc., and their exhibit shows that they have brought to a fine art the framing of pictures by means of passe-partout bindings. Wallets for keeping films and prints are another speciality of the company.

General Development Co. specialise in enlargements, and evidence of their work is to be seen at the entrance to the main hall. The enlargement will be made unmounted and unspotted, or otherwise, according to the customer's requirements.

John J. Griffin & Sons, Ltd., whose papers, Goldona and Noctona are well known, are showing all kinds of professional requisites. Chemicals, too, form quite a prominent feature at the stand.

Houghtons, Ltd., are showing a large range of film and plate cameras from the Ensignette to the Sanderson, together with all the Ensign accessories.

Ilford, Ltd., in addition to an imposing array of prints and negatives showing the capabilities of Ilford papers and plates, call attention to a recently introduced preparation named "Desensitol," which enables the photographer to carry out the development of negatives in daylight.

T. Illingworth & Co., Ltd., claim to have the largest machine in the world for coating photographic paper, and studies and enlargements made on the various grades and types of their papers, particularly Zona, Slogas, and Enitone, are exhibited.

Johnson & Sons (Manufacturing Chemists), Ltd., are exhibiting a complete range of photographic chemicals in packet and bulk quantities. A basin of silver nitrate showing the growth of the crystals is situated in the centre of the stand. Messrs. Johnson have put on the market a new developer, "Vedol" (in scaloid form) which is suitable for plates, films, bromide, and gaslight papers and lantern slides, and is being shown for the first time at the Fair. All well-known makes of plates have been divided into groups, and by the aid of the time and temperature tables supplied with each box of "Vedol" developing by rule is considerably simplified.

Kosmos Photographics, Ltd., are exhibiting a number of enlargements on Vitegas, including some of the winning pictures in their last competition. They are offering 1,000*l.* in prizes for prints on Novex or Vitegas paper. This competition closes on October 17.

Marion & Co. drew our attention to their Iso-Record plate, which enables the amateur to take portraits by ordinary gas or electric lighting, the exposure varying from $1\frac{1}{2}$ to 3 seconds. This fact is substantiated by the prints entered for the recent home portraiture competition, most of which were taken by incandescent light.

Robinson & Co. specialise in enlargements in monochrome and water-colour, also miniatures on ivory, ivorine, and paper. A visit to their stand is well repaid.

Thornton-Pickard Manufacturing Co., Ltd., in addition to their field and reflex cameras, are showing a good range of pocket cameras; the Kippa, which takes plates or films (pack) $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in., is well made and extremely rigid.

White Band Manufacturing Co., Ltd., specialise in packed developers in powder and tablet form. The latter which dissolve rapidly, are known as "Pakoids."

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

The Census Postponed.

It was announced in the House of Commons on April 14 that, in view of the national emergency, the distribution of the census schedules and the taking of the census on April 24 have been postponed until a later date.

The Budget.

Mr. Chamberlain announced on April 19 that he will introduce the Budget on April 25, in place of the Chancellor of the Exchequer, who has since his recent appointment been occupied in the negotiations connected with the miners' wages dispute.

New Companies.

Sir P. Lloyd-Greame stated in the House of Commons recently that the number of new companies registered in the United Kingdom during 1919 was 10,725, and their nominal capital 412,967,204*l*. The corresponding figures for 1920 are 11,011 and 593,189,032*l*.

Optical Trade Board.

The Minister of Labour, in reply to a member in the House of Commons on April 13, said the question of the establishment of a trade board for the optical trade was under discussion between the trade and the Department of Labour in June 1920. The delay which has ensued has been due to the complexities of the trade and the difficulty of deciding whether one trade board would appropriately cover the two main sections. After full consideration he had come to the conclusion that if the Acts were to be applied to the trade, two boards would have to be established, but he is still awaiting further information as to the conditions in the trade before reaching a decision.

Table Waters Duty.

Mr. W. Graham, on April 12, asked the Chancellor of the Exchequer whether the revenue from the duties on mineral waters is steadily diminishing; whether the duties have had a prejudicial effect upon this industry and are aggravating unemployment; and whether, in view of these facts, he will consent either to repeal or reduce the duties at an early date.

Lieut.-Commander Young, who replied, said: The revenue from these duties has fluctuated since they were imposed in 1916; it increased considerably in the second and third years, but has diminished in the aggregate in the last two years. The diminution has been confined to table waters of the sweetened variety, and is believed to be due to causes other than the duties. He was unable, therefore, to assent to the view expressed in the second part of the question or to admit it as a ground for relief.

Products Corporation, Ltd.

Sir F. Hall, on April 18, asked the President of the Board of Trade when the Products Corporation, Ltd., Buchanan Buildings, Holborn, was registered; what is the authorised capital of the company; whether any of such capital has been subscribed directly or indirectly from German sources; who are the directors of the concern; and what are the principal objects for which the business is supposed to have been established.

Sir P. Lloyd-Greame replied: Products Corporation, Ltd., was registered on January 8, with a nominal capital of 50,000*l*. divided into 1*l*. shares. According to the memorandum of association the main objects of the company are to carry on the businesses of dealers in chemicals, chemical manufacturers and agents, coal merchants, colliery proprietors, and iron and steel masters. The directors are W. S. Hopkins, F. Harold Johnson, and F. Ronald Remington. The whole of the share capital has been allotted for cash to the three directors. Inquiries are being made as to whether any of such capital has been subscribed directly or indirectly from German sources.

Rents of Business Premises.

Captain Bagley, on April 14, asked the Prime Minister whether it is the definite intention of the Government to carry out the promise given during the passing of the last Increase of Rent and Mortgage Interest (Restrictions) Act and introduce legislation in respect of business premises before June 24 next?

The Prime Minister replied: I am not aware of any such promise, and the Government do not contemplate legislation on this subject during the present session.

Captain Bagley: Is the Prime Minister aware that when this modification was urged on the House by the late Minister for Health, he stated that by the time the year was up the Government would have other proposals, and that he actually used these words?

If at the end of that time our other proposals be not sufficiently advanced, it would be quite a simple matter to prolong the statute.

Will the Prime Minister give consideration to that statement with a view to prolonging the statute in regard to business premises?

The Prime Minister: We have given some consideration to this subject. We certainly cannot introduce legislation this year.

German Reparations Levy.

Major Barnes, on April 13, asked the President of the Board of Trade if it is the intention of the Government to levy the 50 per cent. reparation duty on goods imported into the United Kingdom from neutral countries when such goods were bought from Germany and paid for in full by firms in neutral countries before March 8, and are now lying in neutral countries.

Sir P. Lloyd-Greame replied: In pursuance of an Order made by the Board of Trade on April 7, the reparation levy is waived in respect of articles imported into the United Kingdom prior to May 15, which are proved to the satisfaction of the Commissioners of Customs and Excise to have been purchased under a contract entered into before March 8, and to have passed into the physical possession and property of some person other than a German national before that date.

Sir F. Hall, on April 18, asked the President of the Board of Trade whether German exporters are refusing to deliver goods imported into this country until they are paid in full therefor; whether, as a result of this device, the 50 per cent. reparations import duty, which is supposed to be collected from Germany, in effect falls upon the British consumer; and if he will state what steps have been taken to counter this evasion of the arrangement made to penalise Germany for her breach of the Treaty of Versailles.

Sir P. Lloyd-Greame, who replied, said he understood that a number of exporters have adopted this attitude. He thought it a mistake to assume that consumers in this country usually get the advantage of the low prices at which Germans can sell their goods, and the imposition of the levy, even if it raised the price to the importer, would not necessarily involve an increase in the price paid by the consumer. Moreover, attempts by Germany to evade the Reparations levy in this way carry their own sanction by diverting purchasers to other sources of supply.

Replying to a question in the House of Lords on April 20, Viscount Peel said the duty leviable under the German Reparations (Recovery) Act was not 50 per cent. or 100 per cent. Supposing the value of the goods exported from Germany was 100*l*., half that sum was paid to the German exporter. The other half of the value of the goods—that was, 50*l*.—would be paid to the Customs of our country. It was not a case of percentage—it was a case of half the value of the goods. Suppose the whole of the 100*l*. was paid to the German exporter. When the goods came to this country it would be assumed that the proper thing had been done, and the Act would be followed. It would be assumed that 100*l*. was half the value of the goods, and another 100*l*. would accordingly be levied.

Associations' Winter Session.

Dublin.—The Dublin Retail Drug Association held a Committee meeting on April 12, Mr. A. Owen Wells (President) in the chair. The following were also present: Messrs. W. F. Ellis, B. R. Allshire, A. H. Oliphant, Geo. Brown, G. A. McLean Lee, R. White, Dr. J. A. Mitchell, and Robert J. Kidney, secretary. Correspondence from the following was received and dealt with: Mr. Jas. Maguire, Talbot Street; Robert Mellon, Dame Street; The Chemist and Druggist, London; W. M. Belakley, Dundrum; and M. S. Kane, Clonmel. Mr. Jas. Behan, Main Street, Killaloe, was elected a member of the Association.

Ealing.—The monthly meeting of the Ealing Pharmacists' Association was held on April 12, the President (Mr. H. L. Ironmonger) in the chair. A letter was read from the Pharmaceutical Society in which it was stated that the School Committee are reviewing the position of the representation of pharmacy in the preparation of the future British Pharmacopœias. The secretaries of the British Pharmaceutical Conference wrote inviting delegates to the Conference at Scarborough. Mr. Hugo Wolff and Mr. Marns signified their intention of attending the meeting. Mr. Hugo Wolff then gave his address on *How to Increase Turnover*. He said that business in the future is going to be much harder than ever it had been in the past; throughout the country there were hundreds of chemists' businesses that would have been closed up long ago if it had not been for the war. War conditions saved these businesses, but we were on a very different market now. He dealt with the coming of the United Drug Co., and gave examples of the methods of business in the U.S.A. Although all the American business methods would not find acceptance in this country, yet he did not doubt that they would make their presence felt. Mr. Wolff gave solutions of many problems that confront a retail chemist and answered questions on business policy.

Edinburgh.—The Edinburgh Chemists', Assistants', and Apprentices' Association held their annual business meeting on April 13, Mr. H. W. Blair (President) in the chair. Mr. Thomas A. Smith, honorary secretary, submitted the annual report, and Mr. Hamilton B. Young, honorary treasurer, the financial statement, which showed a balance of 5*l*. The report and financial statement having been adopted, it was agreed that a donation of 1*l*. 1*s*. be given to the Benevolent Fund, as a small acknowledgment of the privilege of being allowed to meet in the Society's house. The following were elected office-bearers for 1921-22: *President*, Mr. H. W. Blair; *Vice-President*, Mr. Thomas A. Smith; *Hon. Secretary*, Mr. James W. Teasdale, 11 Polwarth Gardens; *Hon. Treasurer*, Mr. Hamilton B. Young; *Committee*, Misses Ingram, Boag, Purdie, and Findlater, and Messrs. Knott, Stout, Tainsh, Grieve, and Tait; *Prize Committee*, the President, Vice-President, Secretary, and Messrs. Grieve, Stout, and Tait. A communication was then read on *A Calcium Lactate Mixture*, by Miss J. Findlater. The following prescription was dispensed:

Calcii carb.	ʒj.
Acid. lactic.	♏ 130
Aquam. ad.	℥vj.

It was observed that the whole of the calcium carbonate had not been acted upon, and it was found that 160 to 165 minims were required to convert all the calcium carbonate into calcium lactate. (Theoretically only 120 minims of lactic acid should be required.) This may be due to the lactic acid attacking the calcium carbonate more slowly in presence of the already formed lactate, or the lactic acid may not always be quite up to the B.P. standard. Lactic acid should be added until the mixture just clears. The same author followed with a discourse on *Unguentum Potassii Iodidi, B.P.* When, as officially directed, this ointment is made in a slightly warmed mortar, it becomes immediately yellow, and then yellowish-brown. At the end of twelve to fourteen days it is practically colourless. After explaining how the liberation of the iodine is effected by the acids (benzoic and fatty), and that the free iodine is gradually absorbed by the lard, the author suggested as a base, more suitable than benzoated lard, adeps lanæ, which is readily absorbed by the skin, does not become rancid, and takes up 50 per cent. of its weight of water, with the addition of a small quantity of soft paraffin, gives an agreeable homogeneous ointment of proper consistence and therapeutically correct. The method of dispensing five-grain ichthyol pills was explained by Mr. Hamilton B. Young. After outlining several unsatisfactory methods, it was found that quite a satisfactory pill could be made by adding to the ichthyol an equal weight of calcium phosphate that gives a ten-grain pill, but from the samples shown they were quite a manageable size. The prescriber quite approved of this addition. Though the pills may seem a little soft when finished, they become quite hard in about an hour. They harden on keeping. They remain, however, readily soluble. A pill which had been kept for a few weeks dissolved in five minutes in cold water. Pills containing three grains of pix liquida made quite a satisfactory mass by adding four and a-half grains of calcium phosphate. A discussion of the papers followed.

Harrogate.—On April 15 the Harrogate Pharmaceutical Association met at Belvedere, when Dr. H. Warren Crowe delivered an address on *The Rationale of Vaccine Treatment*. He outlined the history of vaccine therapy and showed the modern improvements. The address was illustrated by lantern slides, many questions being answered, at the close, by the lecturer. The President (Mr. H. F. Illingworth) took the chair and voiced the thanks of the members to Dr. Crowe.

Leeds.—Mr. F. Pilkington Sargeant, Vice-President of the Pharmaceutical Society, on April 13 gave his annual address to the Leeds Chemists' Association on *Pharmaceutical Affairs*. The President (Mr. H. Gilleghan) occupied the chair. After reporting on the new Insurance Act dispensing terms, which he described as extremely advantageous by comparison with previous terms, Mr. Sargeant mentioned that this duty henceforth will be in the hands of Mr. Gilleghan, a member of the Executive of the Retail Pharmacists' Union. Leeds does not reap particular benefit from the removal of the stock-mixtures fee, because the district has never had stock mixtures, but it shares the other benefits of the new terms. Mr. Sargeant contended that men who supply inferior drugs should be removed from the panel. The Leeds Pharmaceutical Committee has decided to take action on this matter before the Ministry has time to do so, if the necessity should arise. At the same time, though there has recently been a little local controversy in the Press about the quality of drugs, he expressed the opinion that complaint on this score has not yet been justified. Mr. Sargeant suggested that the new terms are a commentary on the useful work of the Local Associations Executive, and paid a tribute to the late chairman of the Executive. As to the Retail Pharmacists' Union, the three West Riding members elected to the Council, Messrs. Gilleghan, Jackson, and Wakshaw, are all valuable and experienced men. At the same time, he had two regrets. One was that Mr. Hawkins, of Bridlington, who has done great service on the L.A.E., was not elected; and the other was that Northumberland and Durham got no representative. He hoped that will be remedied at one of the earliest future elections. In the matter of the Dangerous Drugs Act Regulations, the Committee now sitting will, he thought, produce some Regulations of a workable nature. Mr. Sargeant spoke of the new educational scheme, and referred particularly to the importance of the training of apprentices in approved shops only. He warned the craft to prepare for the time when the Proprietary Medicines Bill comes before Parliament next Session, and contended that in no profession is there less quackery than among pharmacists. With regard to the local Association's future, in view of the establishment of the R.P.U., and the fact that the membership of the Leeds Association is limited by rule to members of the Pharmaceutical Society, Mr. Sargeant could see no reason why the Association should not retain its individuality in that way for professional purposes and yet have a rule by

which the local branch of the R.P.U. can be created within the Association and admit members to that branch, even if they are beyond the area of the Leeds Insurance Committee, or are not members of the ordinary Association. In conclusion, Mr. Sargeant suggested that if he were re-elected to the Council, future annual reviews to the Association should be by the trio of national representatives—himself, for the Pharmaceutical Council; Mr. Gilleghan, for the Council of the R.P.U.; and Mr. N. N. Armitage, for the Council of the P.A.T.A. A vote of confidence in Mr. Sargeant was afterwards passed.

London.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held on April 19, Mr. A. J. Wing (President) in the chair. Referring to the sudden death of Mr. J. W. Deakin, the newly elected chairman of the Retail Pharmacists' Union Executive, Mr. Wing said that pharmacy had suffered a great loss. Mr. Melhuish related the circumstances which occurred at the meeting of the R.P.U. Executive, and proposed that the Committee pass a vote of condolence. He referred to Mr. Deakin's exceptional qualities, his cheerfulness, his ability as a leader, and his earnestness for the welfare of pharmacy. Messrs. Trick, Keith, Milner, and Jenkin endorsed his remarks, and the motion was carried, all members standing in their places. The Committee next considered a letter from the R.P.U. regarding the formation of branches, together with a resolution from the North London Association on the same subject. A discussion followed, during which reference was made to the steps to be taken by the South-Western Association in setting up a branch for that area. Several members considered that there was no immediate necessity to form branches, and that the County Executive should wait for the Pharmaceutical Society's policy. Ultimately it was decided to adjourn the discussion until next meeting. The following delegates were then appointed to represent the London County Association at the British Pharmaceutical Conference in June: Messrs. Keith, Milner, Melhuish, Noble, Shirtliff, Trick, and Watson. Owing to the Whitsuntide Bank Holiday, the next meeting was fixed for May 24.

London (W.).—A meeting of the Western Pharmacists' Association was held at Pinoli's Restaurant, Wardour Street, W., on April 20, the President (Mr. H. S. Watson) in the chair. Early in the proceedings the President moved, in brief and fitting terms, a vote of condolence with the widow of the late Mr. J. W. Deakin, Northwich. After Mr. W. E. D. Shirtliff (Vice-President) had seconded it with a moving reference to Mr. Deakin's visits to the Association, it was carried by the members standing. It was agreed that the present representatives of the Association on the London Pharmaceutical Committee—Messrs. Melhuish, Noble, and Shirtliff—be nominated to serve for a further period. The remainder of the evening was devoted to discussing informally the Retail Pharmacists' Union and Insurance terms. The following resolution was carried: "That the Western Association as a whole be a branch of the Retail Pharmacists' Union, combined with a suitable method of safeguarding non-employer members' interests." The contingent discussion was contributed to by the President and Messrs. Ellerington, Hall, B. R. Wilkinson, C. A. Noble, and others. Messrs. Shirtliff and Noble gave interesting accounts of the negotiations preceding the issue of the new Insurance terms, and answered questions about the terms themselves. Mr. Harry Martin (social secretary) announced that the recent whist-drive (see p. 43) had resulted in a surplus of about 30*l*. for the Benevolent Fund of the Pharmaceutical Society.

Salford.—A special meeting of the Salford Pharmacists' Association was held on April 14 to revise the rules of the Association, with the object of encouraging assistants to take more interest in pharmaceutical affairs. It was resolved that the Council shall be composed of six master pharmacists, one non-proprietor pharmacist, and one Associate (unqualified). The President and Vice-President shall be master pharmacists, but other appointments shall be open to members.

Essential Oil Imports.

January 1—March 31, 1921.

Essential oil imports into London during the first quarter of the year are given in the table below, which, we believe, is the first of its kind to be published. It is only a short time since a change in the method of announcing the imports of essential oils, on the part of the London Customs Authorities, made such a list possible. Eucalyptus oils have been imported largely. Lemon oil is a considerable item, but the imports for the present month (April) increase the amount by more than half. Bergamot is surprisingly low, unless we include, as is probable, a fair share of the 177 cases of oils from Italy returned as "undescribed."

Oil	Quantity	Source
Almond	10 cases	France.
Anise	840 packages	China.
Bay	26 cases	B.W.I.
Bergamot	36 cases, 6 × ½ cases	Italy.
Bois de rose ...	2 drums	France.
Cajuput	1 case	Holland.
Camphor	8 drums (sassaf.)	U.S.
,, ...	1,032*l*.	China.
Caraway	11 cases	Holland.
Cassia	75 cases	China.
Cinnamon leaf ...	92 cases	Ceylon.
,, ,, ...	9 drums, 5 packages	Seych. Is.
Citronella	45 crates, 8 drums	Brit. India.
,, ...	25 drums	Ceylon.
,, ...	6 drums	Holland.
Coriander	1 case	,,
,, ...	1 case	Germany.
Dill	1 case	,,
Eucalyptus ...	1,183 packages, 625 cases, 14 drums, 188*l*.	Victoria
,, ...	1,800 packages	N.S.W.
,, ...	26 packages	S. Australia.
,, ...	74 cases, 4 drums	W. Australia.
,, ...	21 packages	Tasmania.
E. Citriodora ...	1,379*l*.	N.S.W.
Geranium	13 cases	Algeria.
,, ...	3 drums	Greece.
,, ...	4 drums	France.
Ginger	2 cases	U.S.
Gingergrass ...	4 pots	Brit. India.
Juniper berry ...	70*l*.	Germany.
,, ,, ...	1 case	Italy.
Lavender	19 cases	France.
Lemon	1037 cases, 10*l* × ½, 30 × ¼ cases	Italy.
Lemongrass ...	20 drums	Brit. India.
Lime	12 cases, 5 carboys	Brit. Guiana.
,, ...	22 drums, 16 packages, 64 cases	B.W.I.
,, ...	5 packages	U.S.
Mandarin	3 cases, 2 × ¾ cases	Italy.
Marjoram	1 drum (10 cwt.)	Spain.
Mint	585 cases	Japan.
Mustard	2 cases	Germany.
Orange	97 cases	Italy.
,, ...	24 cases	Canada.
,, ...	3 cases	B.W.I.
Otto of Rose ...	1,680*l*.	Holland.
,, ,, ...	12,300*l*.	Bulgaria.
,, ,, ...	400*l*.	Sweden.
Palmarosa	7 pots	Brit. India.
,, ...	1 case	Germany.
Peppermint ...	50 cases	U.S.
Nutmeg	1 case	Holland.
,, ...	7 cases	U.S.
Petitgrain ...	6 cases	Holland.
Patchouli	12 cases	Japan.
Rosemary	15 drums	Spain.
Sage	1 drum	Spain.
Sandalwood ...	602*l*. 28 cases	Australia.
,, ...	81 cases	Brit. India.
Sassafras	6 cases	U.S.
Spearmint... ...	2 cases	U.S.
Thyme	6 drums	Spain.
Spike	7 drums	Spain.
Vetivert	2 cases	France.
Wintergreen ...	4 cases	U.S.
Wormseed ...	12 cases, 1,021*l*.	U.S.

The following imports from the countries named are not described: 177 cs., Italy; 3 cs., Algeria; 5 drms., 20 cs., Spain; 6 cs., Straits Settlements; 1 cs. and 210*l*. value, Germany; 55 cs., China; 2 cs., 4 drms., U.S.; 12 pkgs., 3 drms., 1 cs., B.W.I.; 15 cs., Greece; 60 cs., Japan; 16 cs. and 85*l*. value, France; 2cs., Holland.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, April 21.

Business in the Mincing Lane produce markets has shown an improvement, which set in immediately the announcement was made that the Triple Alliance strike had been cancelled. The appreciation in the Italian exchange continues a feature, but prices of most products derived from that country are substantially unchanged, although a few have a firmer tendency. Sound Jamaica ginger has had a further advance of 10*s.* per cwt. Balsams are quiet, with Peru slightly easier. Cod-liver oil is again cheaper, but in rather more demand. Carnauba wax and beeswax are cheaper to buy. Tartaric and citric acids have been in better request. Turpentine is much dearer, and shellac was lower at auction. Mercury is 1*l.* per bottle lower.

Higher	Firmer	Easier	Lower
Almonds	Fennel seed	Acetic acid	Amidopyrin
Benzonaphthol	Juniper berries	Anise	Atropine sulphate
Bergamot oil	Lemon oil	Anise star oil	Calamus oil
Ginger (Jamaica)	Lime oil (h.p.)	Arsenic	Canunga oil
Sulphonal	Orange oil	Balsam Peru	Chillies
Turpentine	Phenazone	Benzaldehyde	Cod liver oil
	Phenolphthalein	Bromides	Glucose
	Salicylic acid	Camphor (Jp. ref.)	Mercury
		Camphor oil Jp.)	Milk sugar
		Cardamom oil	Mustard oil
		Citronella oil	Neroli oil
		Geranium oil (Bourb.)	Phenyl ethyl alcohol
		Heliotropine	Shellac (auction)
		Hexamine	Wax, bees'
		Lemongrass oil	Wax, veget. (Jp.)
		Nutmeg oil	Wormwood oil
		Paraldehyde	
		Peppermint oil	
		Pot. sulphoguaiac.	
		Wax, carnauba	
		Wormseed oil	

Cablegrams.

New York, April 19.—Business is fair. Menthol is lower at $4.00 per lb. and peppermint oil in tins has declined to $2.75. Mandrake root is cheaper at 13c., dandelion at 13c., and short buchu at $1.30. Formaldehyde has been reduced to 14¾c., refined camphor to 80c., and vanillin to 55c. Mexican sarsaparilla is dearer at 40c., and saccharin at $2.00 per lb.

Bergen, April 20.—The total catch of cod for the whole of Norway since the opening of the season amounts to 30,200,000, against 28,300,000 for the corresponding date of 1920, and the yield of steam-refined medicinal oil is 49,113 hectolitres, against 42,300 hectolitres at the same period of last year. Finest new Lofoten oil is quoted at 93*s.* per barrel c.i.f. London, being cheaper.

London Markets.

Antimony.—Chinese crude is practically without interest, the current quotation being quite nominal at 19*l.* per ton for spot, while orders for shipment could probably be placed at below this. Recent inquiries for foreign refined led to very little business, and the tone seems easy at around 24*l.* for spot lots.

Balsams.—*Peru* of genuine B.P. quality is easier at 8*s.* 3*d.* to 8*s.* 6*d.* on the spot. *Tolu* is still about 2*s.*, and B.P. *copaiba* 2*s.* 6*d.* per lb.

Cadmium is quiet with sellers asking 6*s.* 9*d.* to 6*s.* 3*d.* per lb. There is not a great deal offering and the tone is very steady.

Camphor (Refined) is easier, with Japanese 2½-lb. slabs offering at 3*s.* 9*d.* per lb., and May-July shipment at 3*s.* 5*d.* c.i.f. Chinese is quoted at 3*s.* 6*d.*

Cascara Sagrada—A letter advice from New York, dated April 7, states that "Among the items which were affected in price since 1914, cascara seems to have been the most prominent one that has escaped any great fluctuation in value. The cause leading up to this, according to investigations made by one of the largest dealers, indicates that the stock of bark on the Pacific Coast at the present time is probably the smallest they have ever had to carry over at any season. The purchases of the larger consumers in this country were curtailed considerably during the last year. In fact some of them did not buy at all last year. The European market, which has always been a steady buyer, has purchased comparatively little on account of the great difference in exchange. The banks on the Pacific Coast are apparently not anxious to make advances this year on any bark that is gathered, and undoubtedly those merchants who have sent scores of peelers into the interior will hesitate about doing so, first, because there are no buyers, and secondly, there is doubt as to whether the banks will make advances on the bark to carry it until such time as there is a market. The consumption has apparently continued about the same amount for the last ten or twelve years, so that there will be a time in the very near future when, with their surplus stock exhausted, the houses now manufacturing products from this material will have to buy; therefore, we must add a word of caution to prospective buyers to be prepared for higher prices unless conditions which appear on the surface at the present time are materially changed by developments."

Cocoa Butter.—Prime English is unchanged at 1*s.* 7*d.* per lb. in not less than 1-ton lots.

Cod-liver Oil.—There appears more disposition to cover requirements, although a declining tendency is still shown by Norwegian makers, who offer finest new non-congealing medicinal Lofoten oil at 92*s.* 6*d.* per barrel c.i.f., and even a trifle less. This price is regarded by them as below the economic cost of production.

Our Bergen correspondent writes on April 13 that the returns of all the Norwegian cod-fisheries give the following results:

	Catch of cod (millions)	Steam-refined cod-liver oil (hectol.)
To April 9, 1921 ...	29·6	45,935
" " 10, 1920 ...	24·8	37,777
" " 12, 1919 ...	16·3	21,406
" " 13, 1918 ...	13·7	14,075

Owing to the rich catch and the falling prices buyers are still reserved, and there is but little business passing. The Lofoten fishermen are now about finishing their season and returning to their homes. The catch will finish about the end of April.

Egg Products are firm, Chinese liquid yolk selling up to 120*s.* per cwt. for prime quality; for April-June and May-July shipment 80*s.* c.i.f. has been paid. Dried yolk is 5*d.* and sprayed whole egg 1*s.*; Native dried whole is 6*d.*, all spot. Prime hen albumen is 2*s.* 8*d.* per lb. on the spot and 2*s.* 6*d.* per lb. c.i.f. for April-June shipment.

Farina is quiet, Japanese No. 1 offering at 20*s.* per cwt., and for March-May shipment 19*s.* c.i.f. is quoted. Dutch on the spot is 19*s.* 6*d.* and March May shipment 18*s.* 6*d.* c.i.f.

Galls are easy, Chinese plum-shaped on the spot offering at 100*s.* and to arrive at 82*s.* 6*d.* per cwt. c.i.f.; ordinary on the spot is 90*s.*, and to arrive 62*s.* 6*d.* c.i.f.

Glucose is cheaper, guaranteed water-white for April delivery offering at 30*s.* per cwt., landed terms.

Gum Acacia is quiet, with usual Sudan sorts offering at 47*s.* 6*d.* and cleaned at 50*s.* per cwt. on the spot.

Juniper Berries are slightly firmer on the spot, offering at 23*s.* per cwt.

Linseed Oil.—The demand has exhibited a little more vitality on the improved labour situation, and there is rather a better export demand, chiefly for Continental ports. Current make, although much below the normal, chiefly due to the unsettled labour and coal conditions, is

Index Folio 566

more than equal to cope with the calls made upon crushers, although dealers hold but little stock. A cessation of the miners' strike would probably do something to infuse more life into the market. London closes at 24*l.* 10*s.* naked, and Hull at 22*l.* 10*s.* per ton naked.

Menthol continues quiet at 24*s.* 6*d.* per lb. for Kobayashi-Suzuki on the spot.

Mercury has been reduced by 1*l.* per bottle to 11*l.* 10*s.*

Olibanum.—Pale drop is quoted at from 120*s.* to 130*s.*, medium at 80*s.*, siftings at 70*s.*, and good garblings at from 55*s.* to 75*s.* per cwt.

Platinum.—The market is firm at 17*l.* per oz. and upward for small lots, there being a steady demand.

Rhubarb.—A fair amount of business was done last week just previous to the threatened general strike. Flat High-dried has been sold at from 4*s.* 6*d.* to 5*s.*, rough round at 3*s.* to 3*s.* 3*d.* as to quality, and Shensi 8*s.* down to 6*s.* as to quality. Good Canton has sold recently at 7*s.* 6*d.* per lb.

Shellac.—The spot market for usual standard TN Orange quality is steady at from 270*s.* to 285*s.*; fine lemon is 370*s.*, fine second Orange 310*s.* to 330*s.*, RL 1 290*s.*, and AC cakey 280*s.* At auction on Tuesday 257 chests fine Orange sold without reserve at lower prices, including extra prime free to matted at from 310*s.* to 325*s.*, ASO 300*s.* to 315*s.*, and HRS 315*s.* to 320*s.*; 25 bags common dark block sold at 135*s.*; 76 chests button sold without reserve, including RL 1 pure, free to cakey, 280*s.* to 290*s.*; RL 3 black, hard cakey to blocky, 90*s.* to 95*s.* Futures are higher, the sales including May at from 245*s.* to 265*s.*; August, 202*s.* 6*d.* to 220*s.*

Starch Products.—Maize starch powder is quoted at 17*s.* per cwt. on the spot, and rice starch crystals at 45*l.* per ton.

Turpentine.—There has been some little speculative buying, this having been attracted by the recent rather sharp advances. Of course, the steady inroads made upon warehouse holdings have induced offers to be made more sparingly, but there is not much confidence in the stability of the market. However, anything may happen in a market so susceptible of being manipulated. In our editorial comments last week we suggested that the market had "gravelled," with a possibility of some revival, and this has been borne out by the rapid lift of values which has been experienced since. The last returns available of London stocks amount to 25,364 barrels, of which 23,943 barrels are American spirit, the remainder being French. The fact that forward positions show a tendency to go to a moderate premium may possibly be ascribed to some expectation that crop operations will show some curtailment for the new season. Spot market has advanced about 7*s.* 6*d.* per cwt. on the week, closing at 56*s.* paid, also May-June 56*s.* 6*d.* paid.

Wax, Bees', is cheaper, Jamaica offering at 9*l.* 10*s.*, East African at from 77*s.* 6*d.* to 82*s.* 6*d.*, bleached Calcutta at 8*l.* 10*s.*, and yellow at 3*l.* 10*s.* per cwt.

Wax, Carnauba, is easier, fatty grey offering at 105*s.* and chalky at 100*s.* per cwt.

Wax, Japanese, is lower at from 90*s.* to 95*s.* per cwt. on the spot as to quality.

Seeds and Spices.

Almonds have been sold at higher prices. Sweet Morocco, which were formerly selling at from 90*s.* to 95*s.* per cwt., are now held for 120*s.*, as weak holders have cleared. Other descriptions are also dearer, mostly due to exchange.

Anise is slow of sale and easier at 80*s.* per cwt. for Russian. Spanish is unchanged at 76*s.*

Canary Seed is quiet but steady at 65*s.* per quarter for ordinary and 90*s.* for good Morocco.

Caraway Seed is quoted at 28*s.* to 29*s.* per cwt. for fair Dutch on the spot, and 23*s.* for North African, which is slightly firmer.

Cloves.—Zanzibar are quiet and barely steady, fair offering at from 9*d.* to 9½*d.* per lb., and for April-May shipment 8½*d.* per lb. c.i.f. is the value.

Coriander Seed is steady, with small sales at 18*s.* 6*d.* per cwt. for sound Morocco and 9*s.* for wormy.

Cumin Seed is firm, with further sales at 20*s.* per cwt. for ordinary Morocco. Good sifted is still held for 24*s.*

Dill Seed is scarce; the quotation is unchanged at 23*s.* per cwt.

Fennel Seed is inquired for, but the small quantity on the spot, being of inferior quality, does not attract buyers at the firmer quotation of 35*s.* per cwt.

Fenugreek Seed.—The price remains nominally 16*s.* per cwt., but there is no business to report.

Linseed is slow of sale at 20*s.* to 22*s.* 6*d.* per cwt.

Nutmegs.—Penang and Singapore are steady on spot, and for near shipment rather higher figures have been paid. Small sizes are slightly cheaper.

Pepper.—Fair *Black* Singapore is quiet and unchanged at 3¾*d.* per lb.; for April-June and May-July shipments business has been done at 3 11/16*d.* c.i.f. Lampong is 4½d., Tellicherry 4½*d.*, and Aleppy 4*d.* *White* pepper has been in fair demand, Muntok on the spot offering at 8⅛*d.* per lb. March-May and April-June shipment is quoted at 7⅞*d.* c.i.f. Fair Singapore is 7¾*d.* spot, and May-June shipment 7¾*d.* c.i.f.

Essential Oils.

The movement in the Italian rate of exchange has induced buyers to take up fair lots of lemon and bergamot oils. Demand has not been general, however, and, particularly with regard to bergamot, sales have been made by holders slightly within open quotations. Sicilian products are still lower on spot than they are to arrive, but an all-round firmer tendency is noticeable. Business in other articles seems fairly steady, and many prices continue slowly to decline. Buyers, however, have to move more carefully, as they are finding that prices can harden very quickly. Hand-pressed lime oil is still in demand, and as stocks are limited the price is firmer. Star anise is easier on the spot along with Japanese white camphor, cardamom, Ceylon citronella, Bourbon geranium, Cochin lemongrass, nutmeg, American peppermint, and wormseed oils. A further decline is seen in calamus, cananga, mustard, neroli, and wormseed oils. Synthetic chemicals are quiet, and few changes in prices have been made recently. Heliotropine is easier, and phenyl ethyl alcohol is in good supply at low prices.

Anise (Star).—"Red Ship" is easier on the spot with sellers at 2*s.* 1½*d.* per lb. To come forward the price is unchanged at 2*s.* 2*d.* c.i.f.

Bergamot.—A fair amount of business has been done at 19*s.* per lb., and slightly over, for 37 to 39 l.a. Sellers at these prices would probably be difficult to find now, and 22*s.* to 23*s.* per lb. represents current quotations following firmer prices from the source at from 23*s.* to 26*s.* c.i.f. In some directions spot holders are not quoting less than 25*s.*

Bois de Rose (Femelle).—Over-production following the promise of high prices is responsible for the sharp decline in this article. Very low quotations are mentioned from France, and on the spot 15*s.* per lb. seems to be quite nominal.

Cajuput is slightly cheaper at 3*s.* 3*d.* to 3*s.* 6*d.* per lb. on the spot according to quantity.

Calamus is cheaper, being offered ex wharf London at about 20*s.* per lb., prompt shipment from Holland.

Camphor.—Japanese essential white is cheaper at 140*s.* per cwt. in drums on the spot.

Cananga is lower at 14*s.* 6*d.* to 16*s.* per lb., with practically no inquiry.

Caraway.—Spot is unchanged at 8*s.* per lb. for rectified and 7*s.* for crude.

Cardamom is cheaper on the spot at 70*s.* per lb. for a pure Indian distillate.

Cassia on the spot is unchanged at 4*s.* per lb. for 80 to 85 c.a., and to come forward at 3*s.* 3*d.* c.i.f.

Citronella.—Business has been done at 1*s.* 2½*d.* per lb. spot for Ceylon, which is easier. Java is nominal at 2*s.* 9*d.* with little demand, and Burmese is obtainable at 2*s.* 3*d.* to 2*s.* 4*d.*

Clove.—English distilled is quiet and unchanged at 6*s.* to 6*s.* 3*d.* per lb. Second-hand parcels of Continental origin, which can be obtained at less, are said to be weakening the market.

Cognac.—Green oil is offered ex wharf London, prompt shipment from Holland, at from 80*s.* to 82*s.* per lb. according to quantity.

Index Folio 567

Geranium.—Spot holders quote from 20*s*. to 23*s*. per lb. for Bourbon, which is a shade easier.

Lavender.—French oil is extremely quiet on the spot, and 40 per cent. ester is obtainable at 29*s*. per lb.

Lemon.—Spot values have become firmer, and from 3*s*. 2*d*. to 3*s*. 3*d*. per lb. are the best quotations for good brands. To come forward quotations are firmer at from 3*s*. 3*d*. to 3*s*. 10*d*. c.i.f.

Lemongrass.—Cochin is easier on the spot at 4½*d*. to 5*d*. per oz. in drums.

Lime.—Hand-pressed is firm at 21*s*. 6*d*. per lb., some holders asking from 22*s*. to 22*s*. 6*d*. per lb. Distilled is quoted at 3*s*. 3*d*. per lb. nominal.

Mint.—Japanese dementholised is quiet and unchanged at 4*s*. 1½*d*. per lb. spot for Kobayashi-Suzuki. May-June shipment is unchanged at 4*s*. 3*d*. c.i.f.

Mustard.—Natural is offered prompt shipment from Holland ex wharf London at 32*s*. per lb., and 13*s*. for artificial.

Neroli.—It is difficult to forecast accurately the trend of the market for the forthcoming crop. Attempts are being made to anticipate higher prices, owing, it is stated, to the results of the cold snap in December last. Undoubtedly this is bound to have serious effects on the ultimate yield, but the amount of oil unsold last year is said to be considerable, and as consumption at that time fell off, owing chiefly to high prices, it is difficult to see how growers can expect their crops to attain last year's value, even if the yield of oil is so short as predicted. In some directions spot holders have reduced the price of finest French neroli pétale, and 60*s*. to 65*s*. per oz. is quoted according to quantity, with supplies quite good.

Nutmeg is a shade easier at from 7*s*. 9*d*. to 8*s*. 3*d*. per lb.

Orange.—Sicilian sweet has advanced with the other Italian products, and from 11*s*. to 14*s*. per lb. c.i.f. is about the current quotation. Good-quality oil is quoted on the spot about 12*s*. 6*d*. to 13*s*. 6*d*., although probably less would still be accepted in some quarters.

Otto of Rose.—High prices are still quoted in some directions, but finest Bulgarian is now obtainable from direct importers at 50*s*. per oz., spot. Finest Anatolian is also lower at 32*s*. 6*d*. to 36*s*. per oz. on the spot, according to quantity.

Palmarosa.—Business has been reported at 16*s*. per lb. in pots on spot, and this is still the general quotation.

Peppermint.—American tin oil is a shade easier, with sellers on the spot at 18*s*. to 18*s*. 6*d*. per lb. There is not a great deal being offered at present.

Spearmint on spot is unchanged at 35*s*. per lb., and to come forward 33*s*. c.i.f. is the quotation.

Wormseed is in very small demand, and while some holders are not inclined to quote unless against actual inquiries, others have eased the price to 22*s*. 6*d*. per lb. for spot.

Wormwood.—To come forward American importers quote 90*s*. per lb. c.i.f. ex New York. Continental sources, however, are offering American oil at considerably less.

Aromatic and Synthetic Chemicals.

Benzaldehyde free from chlorine is obtainable at from 3*s*. 7*d*. to 3*s*. 9*d*., ex wharf London, prompt shipment from Holland. Coumarin is a fluctuating article at present, and some holders make the price firmer at from 11*s*. 6*d*. to 12*s*. per lb. Diphenyl oxide is offered at 5*s*. to 5*s*. 6*d*. per lb. Heliotropine has eased off slightly at from 11*s*. to 12*s*. per lb. Phenyl ethyl alcohol, finest French quality, is offered in 50-lb. lots at 26*s*. per lb. Vanillin is unchanged at 34*s*. per lb. for spot.

Pharmaceutical Chemicals.

The alterations recorded this week show that a few products have experienced a slight advance, and that others have eased off slightly. Bromides appear easier; sulphonal is firmer and much higher in value. Milk sugar, hexamine, amidopyrin, and atropine sulphate are cheaper in some directions. Business, as may be expected, is very unsatisfactory.

Acetanilide is still quoted at 1*s*. 9*d*. to 1*s*. 10*d*. per lb., but the market is quiet and unsettled.

Amidopyrin is showing up slightly easier this week, quotations vary from 23*s*. to 24*s*. per lb.; market continues quiet.

Aspirin remains unchanged at the recently advanced prices of 3*s*. 3*d*. to 3*s*. 6*d*. per lb.; demand is very limited.

Atropine Sulphate is again much cheaper this week, and is now quoted at 23*s*. to 24*s*. per oz.

Barbitone continues fairly steady and quiet at 15*s*. to 15*s*. 6*d*. per lb.

Benzoic Acid is unchanged at 2*s*. 3*d*. per lb., with market on the quiet side.

Benzonaphthol is now being quoted at 10*s*. per lb. on spot.

Bromides.—During the week values have eased off slightly; potassium cryst. can now be bought at 10½*d*. to 11*d*. for quantities; ammonium is unchanged at 1*s*. 3*d*. to 1*s*. 4*d*., but is unsteady; sodium is maintained at 1*s*. 1*d*. to 1*s*. 2*d*. per lb., but is inclined to weaken; strontium is 2*s*.

Caffeine.—Pure crystals are offered by importers at 22*s*. 6*d*. per lb.

Calcium Lactate is very quiet and values are inclined to ease off from 2*s*. 9*d*. per lb.

Chloral Hydrate is quoted steadily and unchanged at 5*s*. per lb. for B.P. crystals, duty-paid; there is not much demand.

Citric Acid is well maintained at about 2*s*. 4*d*. to 2*s*. 5*d*. per lb., less 5 per cent.

Cream of Tartar remains offered at 130*s*. to 135*s*. for B.P. quality, on a very quiet market.

Creosote continues unchanged at 4*s*. 9*d*. per lb. for U.S.P., with the market quiet.

Creosote Carbonate is well maintained and steady at 18*s*. 6*d*. to 19*s*. per lb.

Glycerin.—The British refiners' price is unchanged on the basis of 140*l*. per ton for chemically pure in 5-ton lots in drums, and at 155*l*. per ton for 56-lb. tins in cases, less 2½ per cent. There are a few outside parcels of Continental make offering at slightly less. Imports of crude into the United Kingdom during the first quarter of the year were 13,331 cwt. and 737 cwt. distilled, against 13,192 cwt. and 3,356 cwt. distilled in the first quarter of 1920.

Guaiacol Carbonate appears a little steadier with values unchanged at about 15*s*. to 15*s*. 6*d*. per lb.

Hexamine is showing up weaker—quotations are now round about 6*s*. to 6*s*. 3*d*. per lb.

Methyl Salicylate remains fairly steady at 3*s*. per lb. with the market quiet.

Methyl Sulphonal is well maintained at 17*s*. to 17*s*. 6*d*. per lb.

Milk Sugar is about 5*s*. per cwt. lower, B.P. powder offering at from 153*s*. to 155*s*. per cwt. as to quantity.

Paraformaldehyde is quoted unchanged at 4*s*. per lb. in kegs, but values are not steady, and 3*s*. 6*d*. is asked in one direction.

Paraldehyde is steadier since last week, and quotations are now firm at 2*s*. to 2*s*. 3*d*. per lb.

Phenacetin is fairly well maintained at 7*s*. 9*d*. to 8*s*. per lb.; market continues quiet.

Phenazone is showing up a little firmer and now being quoted at 8*s*. 9*d*. to 9*s*. 3*d*. per lb.

Phenolphthalein is now quoted at about 5*s*. 3*d*. to 5*s*. 6*d*. per lb., showing a slight advance since last week.

Piperazine is not in demand—4*s*. 6*d*. per oz. is almost nominal.

Potassium Permanganate.—B.P. is still being quoted at 1*s*. 9*d*. to 2*s*. per lb.; market is steady with a little business being done.

Potassium Sulphoguaiacolate has eased off a little during the week and is now quoted at 8*s*. 6*d*. to 8*s*. 9*d*. per lb.

Salicylates.—Salicylic acid, B.P., is again showing up firmer and now quoted at 1*s*. 5*d*. to 1*s*. 6*d*. per lb.; sodium salicylate, B.P. powder is quoted unchanged from 2*s*. 6*d*. to 2*s*. 8*d*. per lb.; business is limited.

Salol is maintained at 3*s*. 6*d*. to 3*s*. 9*d*. per lb. with but small demand.

Index Folio 568

Silver Nitrate.—The price for crystals on April 20 was based on a metal price of 35*d.* per oz. as follows: In quantities of 25 oz., 2*s.* 3*d.* per oz.; 50 oz., 2*s.* 2½*d.* per oz.; 100 oz., 2*s.* 2*d.* per oz.; 250 oz., 2*s.* 1½*d.* per oz.; 500 oz., 2*s.* 1*d.* per oz.; 600 oz., 2*s.* 0½*d.* per oz.

Sodium Benzoate is quoted unchanged at 2*s.* 3*d.* per lb.

Sodium Diethylbarbiturate is still offered at 24*s.* 6*d.* per lb., but the demand is not good.

Sulphonal.—Some holders are now asking the advanced figure of 24*s.* per lb.

Tannic Acid.—*Leviss.* is steadily maintained at 4*s.* 9*d.* to 5*s.* per lb. on a quiet market.

Tartaric Acid is firm and in better demand at 1*s.* 8*d.* per lb.

Terpin Hydrate is unchanged and quiet at 4*s.* 3*d.* to 4*s.* 6*d.* per lb.

Thymol continues quiet, with values easy at 27*s.* per lb.

Heavy Chemicals.

April 20.

With but one or two exceptions the market is distinctly quiet, but holders do not seem inclined to make further reductions in their quotations, which are being well maintained. An improvement cannot be hoped for in the industrial chemical market until the present labour troubles have passed away.

Acetic Acid is still offering from stock, but the demand is very poor; 80 per cent. technical is 44*l.* to 45*l.*; glacial about 54*l.* per ton; values are unsettled.

Alum continues to be quoted on spot at 18*l.* 10*s.* per ton for lump; market is still neglected.

Arsenic.—The tendency seems towards a lower level in the absence of any improvement in the trade demand, and offers are being made at 48*l.* per ton, if not less, for white Cornish powder delivered London or Liverpool.

Bleaching Powder is still very quiet, with 35 to 37 per cent. material in hardwood casks offering, but not being taken up at about 20*l.* per ton.

Copper Sulphate.—There seems a fair demand for export, and the upward swing in the price of copper has induced somewhat firmer terms to be quoted by most makers at about 33*l.* to 34*l.* per ton f.o.b. Liverpool for casks, less 5 per cent. Competition, however, appears to be rather keen, and it is quite possible that in some quarters the lower figure is shaded.

Epsom Salt continues to be asked for in limited quantities, and the holders of stocks available have hardened their prices up to about 9*l.* 10*s.* per ton for commercial quality and 10*l.* 10*s.* per ton for pharmaceutical; for the time being these prices will be well maintained and may even again advance.

Formaldehyde is still offering at 110*l.* to 115*l.* per ton on spot; limited stocks are available, but the demand is exceedingly poor.

Lead Acetate is still neglected; figures quoted are nominal: 50*l.* per ton for brown broken and 55*l.* for white crystals.

Lime Acetate is now offering from America at 13*l.* 10*s.* per ton for 80 per cent. grey material; this is much below British makers' price, which is in the region of 21*l.* per ton, but they will probably reduce to meet competition.

Lithopone continues fairly steady, but not very active; quotations are generally unchanged at about 30*l.* per ton for 30 per cent. Continental red seal, and 35*l.* for green seal.

Oxalic Acid remains steady but quiet at 10*d.* per lb.

Potash Caustic is well maintained at last week's advanced figures, with a little business being done, at about 47*l.* per ton for 88 to 92 per cent. material.

Potassium Chlorate is difficult to move; holders are still quoting at about 6*d.* per lb. for crystals and powder.

Potassium Permanganate.—Commercial quality is unchanged by makers at 1*s.* 9*d.* per lb.; spot lots are offering at about this figure; some business has been done.

Sal Ammoniac is now offering by merchants at about 60*l.* per ton for lump imported material.

Saltcake continues nominal; there is no inquiry whatever; nominal figures are 6*l.* 10*s.* in bulk, 7*l.* 10*s.* in bags f.o.b.

Soda Ash, 58 per cent. light alkali, is still offering on spot at 9*l.* to 9*l.* 10*s.* per ton, but there is very little demand. Makers' prices for home trade only, 8*l.* 10*s.* per ton in bags.

Soda Crystals.—English makers' prices remain at the old figure of 7*l.* per ton in bags, carriage paid to destination.

Sodium Caustic.—English makers' price is 26*l.* 15*s.* per ton for 76 to 77 per cent. in large drums f.o.r., and 24*l.* 10*s.* for 70 to 72 per cent., spot parcels offering at 21*l.* 10*s.* to 22*l.* f.o.b. for English material, 70 to 72 per cent.; American 76 per cent. quoted at about the same figures c.i.f. Continental ports and U.K. There has practically been no business done during the week.

Sodium Hyposulphite continues steady, with values quite firm at 26*l.* to 27*l.* per ton for pea crystals in kegs, and 20*l.* to 21*l.* for commercial quality in bags and casks. A fair demand has been experienced.

Sodium Nitrate is unchanged and quoted by makers at 21*l.* per ton for 96 per cent. refined material f.o.r. Liverpool; market is not active.

Sodium Prussiate is still quoted by makers at 7½*d.* per lb., spot lots offering at 8*d.* per lb.

Sodium Sulphide (60 to 62 per cent. solid) continues to be very dull and easy at about 28*l.* per ton; makers' prices for 60 to 65 per cent. concentrated, in casks, unchanged at 28*l.* per ton.

Sodium Sulphite.—Anhydrous is nominal at 28*l.* per ton; no business recorded.

Tin Crystals continues to be quoted at 1*s.* 7*d.* per lb. for best material and 1*s.* 6*d.* for seconds.

Zinc-products.—The tone is towards greater firmness, chiefly owing to the advance in the price of zinc metal, while there is a conspicuous absence of German competition due to the Reparations Act. Zinc oxide is selling fairly well at late rates, but zinc-dust is still very quiet.

Coal-tar Products.—Reports to hand record very little change in the state of the market, which continues exceedingly quiet, with values fairly well maintained. Aniline oil and salt is 1*s.* 4*d.* per lb; benzol continues to be quoted unchanged and quiet at 3*s.* for pure and 2*s.* 6*d.* per gallon for 90 per cent. Betanaphthol is still dull, with values easy at 1*s.* 9*d.* per lb. Creosote oil is unchanged at 1*s.* 1*d.* per gallon, with the market neglected. Cresylic acid is still quoted at the recently reduced figures of 2*s.* for crude and 2*s.* 9*d.* for pale straw; the market continues quiet. Carbolic-acid crystals are being inquired for in very limited quantities, and quoted unchanged at 7½*d.* per lb. Naphthaline in all grades is quoted unchanged, but values are far from steady and are inclined to ease off slightly: Crude, 69*l.*; powder, 28*l.*; flakes, 28*l.*; crystals, 27*l.*; tablets, 40*l.* per ton. Pitch is dull and weak at 8*l.* per ton.

Hamburg Drug and Chemical Markets.

The market report, dated April 1, of a leading Hamburg wholesale drug-house depicts the actual situation of Germany as being "grey in grey," a picture in which, compared with the position during the past year, the shadows have been accentuated. "During the war, and as long as it remained united, Germany put forward efforts which would have been deemed impossible. The consequence is that our opponents believe that we can still accomplish the impossible, if only we had the desire to fulfil our engagements. However, the strongest will is powerless in the face of Nature's laws, and exhausted Germany needs a breathing space, an economic peace. Instead, our helplessness is used to display force and inflict punishments. History, which should be the greatest teacher of the present dictators in Europe, declares such an attitude to be a dangerous game to play. Arrows have been shot which were meant to bring destruction to others, but which recoiled upon the marksman. In spite of all the obstacles placed in its way, truth is beginning to dawn. May the inclination to believe be strengthened, as well as the hope that in the end common sense must prevail over brute force and illegality. However, in view of the recent events in Hamburg and in Central Germany to attain this end, the irresponsible elements among the working classes must recognise that good and great deeds can only be accomplished when the hand is guided by the head,

and that manual labour must combine with brainwork as co-equal in order to assure co-operation. The general feeling of uncertainty is reflected in our branch of business by the number of small, unsatisfactory orders coming in from Germany and causing much work. On the other hand, export business to those countries which are still inimical to us (!) is commencing to cease entirely, while exports to neutral countries are apparently increasing and will doubtless improve in future."

The following quotations are without engagement for orders of original packages; broken bulk entails an increase of 5 to 10 per cent. The prices are in marks, per kilo.:

Acetic Acid.—Glacial (98-100 per cent.) has advanced to m.16.50, and is scarce. Acetic acid 80 per cent. was in greater demand at m.11.50 (for export m.12.50), and remains firm.

Ammonium Chloride (98 per cent. white) is in much greater demand at m.5.50, for export m.6.00, and has apparently reached its lowest figure.

Balsam Peru.—New arrivals have led to a decline in price to m.275.

Bearberry Leaves (*Uva Ursi*).—Only small quantities offered at m.6.

Benzaldehyde, almost free from chlorine, is offered at less than makers' price at m.45; for export m.48, at which price it is in demand.

Benzoic Acid has been neglected at m.40, and m.35 for export.

Caffeine.—Pure has declined to m.750, and stocks are very low. Caffeine salts have also declined to m.450.

Chamomiles are in demand at m.35 for new crop and m.22 for last year's flowers.

Citric Acid.—The demand has recently been satisfactory, although only small amounts were ordered. Price m.60, and for export m.62.

Coumarin.—No large transactions have taken place, but there is a regular small demand at m.250, and for export m.275.

Cream of Tartar (98-100 per cent.).—Dealers are offering below factory price at m.27, and for export at m.29.

Gentian has not been in demand, and is quoted m.12.

Glycerin has lost its firmness, and spot is offered at m.27, while April delivery is m.26.

Heliotropine has been neglected at m.300.

Magnesium Carbonate.—Precip. lev. is in demand at m.12, and for export m.14.

Menthol.—In spite of a brisk demand, the price has been in buyers' favour at m.660 for cases, but is likely to advance shortly.

Milk-sugar has declined to m.25, for export m.35, and is in demand.

Salicylic Acid.—The price of m.35 for inland, and also for export, at which it is being offered by dealers, in spite of higher manufacturers' price, has led to increased business.

Sodium Bicarbonate.—The demand has increased in consequence of the low price of m.1; for export m.2.25.

Sodium Salicylate is scarce at m.50; broken bulk, m.55.

Stramonium Leaves, after declining to m.21, have been in good demand by foreign buyers.

Taraxacum has remained stationary at m.13.

Tartaric Acid.—Large transactions have taken place, and in consequence of the resulting depletion of stocks the price has hardened, and it is now m.37 for powder, m.36 for granular, and m.40 for crystals. Export price is m.2 higher.

Thymol is lower at m.775, and is being purchased in small lots.

Wintergreen Oil.—Artificial has declined to m.85.

French Violet and Jonquil Crops.

The violet crop is about finished, and a report states that the yield is quite of normal quality, but, as very little care was bestowed on the plants during the war period, the crop is short even if the quality is good. In any case, following the general decline in values, the prices for both qualities of flowers (Parma and Victoria) are about 50 per cent. lower than the corresponding prices last year. The jonquil crop is very short, but the demand has become less and less important, and prices are about 25 per cent. lower than they were last year.

Imports from Germany.

The Board of Trade, upon the recommendation of the committee constituted under Section 5 of the German Reparation (Recovery) Act, have ordered that articles imported into the United Kingdom before May 15 next shall be exempt from the provisions of the Act, if it is proved to the satisfaction of the Commissioners of Customs and Excise that they are imported in pursuance of a contract entered into prior to March 8 last, and left the place from which they were consigned to the United Kingdom prior to April 8.

World Trade in 1920.

In the latest issue of the Board of Trade's monthly trade statistics particulars are given of the value of the imports and exports of some of the principal foreign countries and British Possessions for the calendar year 1920. The figures for the United Kingdom compare as follows with those of the other countries named:

	Imports £	Exports £
United Kingdom ...	1,714,336,000	1,335,569,000
United States ...	1,099,875,000	1,683,504,000
France	1,416,198,000	897,390,000
Belgium	446,621,000	347,927,000
Japan	237,506,000	195,587,000
Holland	277,677,000	141,788,000
Brazil	124,406,000	107,514,000
Canada	274,812,000	261,602,000
British India ...	222,606,000	185,358,000
Australia	147,282,000	128,065,000

German Reparation (Recovery) Act.

In their latest Bulletin the British Chemical Trade Association intimate that the following notice has been issued by the Board of Trade: "Articles imported into the United Kingdom before May 15 next shall be exempt from the provisions of the Act, if it is proved to the satisfaction of the Commissioners of Customs and Excise that they are imported in pursuance of a contract entered into prior to March 8 last, and left the place from which they were consigned to the United Kingdom prior to April 8." Members are warned that under a recent decision of the Government an importer who has paid to a German firm the full invoice value of the goods prior to despatch will be called upon to pay a similar amount on the landing of the goods in the United Kingdom. For instance, if the invoice value of the goods is 100*l.*, and this amount has already been paid to the German, the importer will have to pay 100*l.* duty. Whatever amount is paid to the German, a tax of like amount is levied upon the British importer when the goods are landed in the United Kingdom. There is apparently much delay in dealing with the release of goods not affected by this Act, and members are advised that the congestion, amounting almost to chaos, makes it probable that orders from the Customs for the release of such goods will not be obatinable very readily. Similar information to the foregoing is given in a circular issued by the Chemical and Dyestuff Traders' Association.

Proposed Fusion of Two Trade Associations.

A meeting of the British Chemical Trade Association and the Chemical and Dyestuffs Traders' Association will be held at the Cannon Street Hotel on Thursday, April 28, at 2.30 p.m., for the purpose of discussing the proposed fusion of the two associations. Mr. Percy Ashley, C.B., Permanent Assistant Secretary of the Board of Trade, has consented to act as chairman of the meeting. Members of the chemical trade who are not members of either association are cordially invited to attend. The agenda will include a resolution in favour of the principle of fusion, and the following points have already been provisionally agreed to by the joint committee of the two executives:

1. That the name of the combined association be the British Chemical and Dyestuff Traders' Association.

2. (*a*) That all present members of each association shall become members of the combined association, provided that each such member be either resident in the U.K. or be a joint stock company registered in the U.K.

(*b*) That subsequently no new members be elected who are not of British nationality.

(*c*) That firms, not necessarily individuals, shall be the members.

3. That the minimum annual subscription shall be 5*l.* 5*s.*, and that members paying on a higher scale up to a maximum of 20 guineas shall have one vote for each 5*l.* 5*s.* subscribed.

The points not agreed to and for decision at the joint meeting will include the new executive council, honorary and salaried officers, and offices. The rules, registration, conditions of sale and rules of arbitration, and associates are also to be dealt with. Any decisions arrived at at this joint conference are to be subject to confirmation at separate meetings of the members of both associations.

Price of French Quinine.—In our issue of April 9 (p. 62) we gave the price of quinine sulphate in Paris as 350 fr. per kilo., but we are informed by the Société Traitement des Quinquinas, Paris, that the minimum price of the makers is 380 fr.

Correspondence

The Chemist's Title.

Sir,—I find it very difficult to understand (1) the correspondence with reference to the title of "chemist" which has appeared in your columns, and (2) the practice which appears to be growing up among practitioners of pharmacy of dropping the ancient and honourable title of "chemist" in favour of the modern term "pharmacist." With reference to the right to the title "chemist," so far as I can ascertain, the only persons statutorily entitled to be called "chemists" are those who are qualified under the Pharmacy Acts. Chemistry has made enormous advances in recent years, and has come to take an important place in all forms of industry. Manufacturers of nearly every kind of product have found it to their interest to apply the science in their factories and works, so that openings have arisen for scientifically trained persons to practise applied chemistry in a great variety of forms. These persons either obtain a degree in science from a university or the diploma of the Institute of Chemistry by examination. They then usually seek the Fellowship of the Chemical Society, a distinction which is obtained by election and not by examination. Having obtained these qualifications, the individuals referred to "assume" the title of analytical or consulting chemist. Having done so, they have in the Press solemnly claimed that they alone are justified in using the title "chemist," and have actually suggested that the title should be reserved for them alone! For some reason a large section of the craft, who are statutorily qualified to use it, have, as I have said, dropped the term "chemist," and describe themselves on their labels and their bill-heads as "pharmacists." Now this appears to be a foolhardy proceeding, as the word "pharmacist" has no meaning for "the man in the street." Who ever heard an English man or woman talking about going to the "pharmacist" to purchase drugs or toilet requisites or obtain advice on simple ailments? The public to a man or woman, in this country, say "they are going to the chemist" when they desire to obtain what they need in the way of drugs, remedies, or toilet articles. There has arisen among men holding the Qualifying diploma a practice of adding the word "dispensing," and Major men have proudly added the prefix "pharmaceutical" to the word "chemist," but even the latter hard-won title has no meaning to the general public. Often so-called educated people hardly know what the word "pharmaceutical" means, and, if they think of it at all, wonder why Mr. Bolus should attach such a long word to his simple and distinctive title of "chemist." The recent practice is bad business, as the new variety of practitioners of practical chemistry, who have no statutory claim to the title "chemist," are only too anxious to seize it from the nerveless hands—or should I say lips?—of its rightful owners. Persons qualified under the Pharmacy Acts should ignore the alternative titles which later legislation has placed at their disposal, and stick to the good old title of "chemist." I submit that they, and they alone, are entitled to it, and that no other diploma but that of a Pharmaceutical Society confers any right to it. There is apparently a conspiracy abroad to filch it from them, and they must discontinue practices which appear to indicate that they do not value a title which has a greater savour of romance—and far greater commercial value—than the new-fangled substitutes which they are being trapped into using.—Yours sincerely,

A Barrister-at-Law (5/4).

Sir,—What is the matter with "chemist"? It is a comprehensive word, including students of pure chemistry as well as of applied chemistry. It embraces the discoverer of argon, the inventor of poison-gas, and the compounder of pills "worth a guinea a box." "Pharmacist" may be more ancient. It occurs in the Greek Bible as *pharmakos*, first in Exodus vii. 11, where Pharaoh summons the pharmacists along with the "wise men," to compete with Aaron in turning rods into serpents. In Daniel ii. 2, Nebuchadnezzar calls for the enchanters, the Magi, the pharmacists, and the Chaldeans, to tell him his forgotten dream and its meaning. But in Malachi iii. 5 the *pharmakoi* are in very bad company; and in Revelation xxi. 8 and xxii. 15 they are promised something hot. In every case above quoted the word is translated in the English version "sorcerers." Now, what do Liddell and Scott say the word *pharmakos* or *pharmakeus* means? "One who deals in charms or poison, a sorcerer, poisoner"; also "one who is sacrificed or executed as an atonement or purification for others (*e.g.*, for the city); a scapegoat: then (since criminals and worthless fellows were reserved for this fate) an arrant rascal, polluted wretch—Latin, *homo piacularis.*" On referring to Aristophanes' "Frogs," 733, we find some choice compliments lavished on political opponents—"redheads, rascals of a rascally race, whom in former times our city would not even have used for *pharmakoi*" (scapegoats). Certainly the title "pharmacist" is classical, but perhaps "chemist" would be preferable, indicating, as it does, one who deals in "juices" or extracts of herbs or fruits—distiller of products, medicinal and otherwise; even including the "juice" supplying motive power for electrical propulsion. Why not "Chemeutical" (from Greek *chemeutikē*, chemistry) instead of "Pharmaceutical"?

A. W. (20/4).

British Manufacturers and Australian Trade.

Sir,—The writer has just received a communication from the principal of one of the largest Australian importers of druggists' sundries, who deals also in surgical instruments, cutlery, and bottles. It is very clearly shown therein that orders which before the war were for British goods are now sent to Japan and America, that when efforts have been made to revert to goods of British origin these simply would not bring cost price on the Colonial market, and that until English prices come down the only safe way for the buyer in Australia is to buy from samples submitted there. Regret is expressed that such a comparatively small portion of his company's orders has been sent to England, but the prices alone have been responsible for the diversion. Unless some scheme is quickly devised by British manufacturers to counteract the difficulties which exist, more, and still more, of our trade will permanently be lost to this country.

Yours faithfully,

Austral (15/4).

New Insurance Dispensing Terms.

Sir,—Although it is stated in some quarters that the new Insurance dispensing terms concede all we asked for, it seems to me that the gain is not a general one, but will only be felt in some localities according to the kind of work done. Personally, I think that the new terms will possibly be an advantage in my business, as I find, on taking an average thousand scripts, that they include 711 for compound liquid medicines, or very nearly the 75 per cent. given by your correspondent (*C. & D.*, April 16, p. 53), and out of these 711, there are 310 for stock mixtures, so that in this case the revised terms should show an increase. Also appliances number ninety-five, or nearly 10 per cent., which is double your contributor's figure for the same class, and this, again, should produce an improvement; but I can well see that in other localities the effect may not be so favourable. At the same time it must be pointed out that we are still thinking in pennyworths and decimal places, and it seems that pharmacists cannot rise above this altitude, so that we are correspondingly looked down upon as dealers in trifles by the great departments of the State. When we turn to the medical men what a difference there is! We find that in 1914 there were thirty-nine doctors receiving 26,871*l.*, or 689*l.* each, while in 1921 there are one hundred medical officers taking between them 130,630*l.*, or 1,306*l.* a head. Briefly, they have practically doubled their salaries, and there are more than twice the number of appointments; no hint of economy there, and no warning that these figures will be reduced as the cost of living drops.

Yours faithfully,

Forewarned (16/4).

Legal Queries.

H. H. (18/4).—The label for Vigor capsules does not contain any wording which would render the article to which it is attached liable to medicine-stamp duty.

Losson (19/4).—(1) The pure drug exemption under the Medicine Stamp Acts does not apply in cases where colouring matter is added. (2) Pil. hydrarg., hyd. subchlor., and hyd. c. cretâ are not scheduled poisons.

P. J. R. (14/4) is tenant of a combined shop and dwelling-house at an annual rent of 35*l*. The tenancy agreement provides that his landlady shall pay the rates, and that if in any event the rates are paid by *P. J. R.* he shall be at liberty to recoup himself out of the rent. The landlady now refuses to pay the rates, and the collector is pressing *P. J. R.* for payment. If *P. J. R.* pays the rates, will he be entitled to deduct the amount from his rent? [If *P. J. R.* is forced to pay the rates he should deduct the amount from his next payment of rent. The landlady is, however, entitled to give him notice increasing the rent by an amount equivalent to the difference between the current rates and those charged in August 1914.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

G. S. (2/4).—It is doubtful whether sp. myristicæ can be completely deodorised without distilling. You might try filtration through animal charcoal or fuller's earth, both of which materials have a great selective power for odorous principles.

Retailer (19/1).—Photographic Developer in Powder Form.—

A.	Hydroquinone	12 parts
	Metol	6 parts
	Potassium metasulphite ...	2 parts
	Sodium sulphite anhydrous	35 parts
B.	Sodium carbonate anhydrous	90 parts
	Potassium bromide	1 part

Put up into powders, ʒss. of A and ʒij. of B being required for 10 oz. or more of water.

The sample you send has the developing agent in one packet, but our experience is that the powder keeps better if the metol and hydroquinone are stored with the preservative agents.

El-kie (28/1).—(1) Wool-ball in Lambs.—It is practically useless prescribing for wool-ball in lambs, the only cure being to cut in, which should be done by a practical man so soon as the animal appears to be ill. Relief is given by repeated doses of castor oil, combined with ʒij. to ʒiv. glycerin of pepsin. Dilute hydrochloric or nitro-hydrochloric acid may also be given. (2) Big Gall in Cattle.—This is distension of the gall bladder, and may arise from a variety of causes, such as obstruction of the bile duct, due to foreign bodies (parasites) or structural changes. Find out the cause if possible. Give a moderate dose of aloes, calomel, and gamboge, followed by daily doses of nitro-hydrochloric acid with gentian, calamus, taraxacum or chamomile. Epsom salts and other cholagogues may be given if the trouble does not diminish. (3) Cupri Acetas in castrating ointments acts as an astringent, antiseptic, and escharotic, according to strength, preventing granulation in the closing of the wound. No ointment is considered complete without it.

Westonian (18/2).—Picric acid is a high explosive and cannot in consequence be conveyed by train, except under severe conditions. Wholesale drug houses may, however, send out small quantities if the acid is moistened or mixed with certain other substances.

R. G. (12/4).—Your mare is suffering from pruritis, and though nothing may be visible externally the irritation is, at times, unbearable. Give a dose of physic, succeeded by cooling and alterative medicines. Clean the legs thoroughly and apply the following :

Carbolic acid (crude)... ...	ʒvj.-viij.
Soft soap	1 lb.

Mix.

Rub it well into the legs as far up as the knees, allow to remain on for ten to twelve hours, then wash off with warm water until no lather appears, finishing with cold water. Two applications, at an interval of a week, are usually sufficient. Either of the following may be applied if preferred :

Spirit of tar ...	ʒj.	Solution of potash,	
Paraffin oil ...	ʒvij.	Hydrocyanic acid,	
A little to be rubbed in daily.		of each	ʒj.
		Water to	1 pint

If necessary, muzzle or tie up the animal to prevent tearing the legs; it can be loosened for feeding.

H. J. S. (18/4).—The rebate on spirits for medicinal purposes which were purchased after April 20, 1920, is 3*l*. 14*s*. per proof gallon, including 1*s*. 6*d*. per proof gallon allowed by the Immature Spirits Act. The equivalent in 58 o.p. spirit is 4*l*. 13*s*. 7*d*. per gallon.

Cinnamomum (16/4).—We cannot find any record of the internal administration of essential oil of camphor, but, bearing in mind that it is a terpene containing camphor, we should place the dose at 5 to 10 minims.

Kosmos (15/4).—The rebate in 1918 on spirit used for medicinal purposes was by the Finance Act, 1918, 15*s*. 3*d*. per proof gallon, with the addition of 1*s*. 6*d*. per proof gallon under the Immature Spirits Act, 1915. The method of working out the equivalent of spirit of various strengths, and tables giving the results, were published in the *C. & D.*, 1919, p. 1507. You will require to prove the use to which the spirit was put, so that the amount employed in preparations classed by the authorities as medicinal may be checked.

F. S. R. (18/4).—Finger-nail Treatment.—There is no remedy for the white spots which show on finger-nails. The appearance is due to the presence of air beneath the nails. A nutrient, such as the following, applied to the nails is the best treatment :

Amber resin	48 grains
Oil of lavender	4 drops
Beeswax	24 grains
Linseed oil	108 drops

Melt the resin and wax in the oil, add the perfume and cool without stirring.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1871.

Chemical Nomenclature.

In the course of an article dealing with a paper on chemical nomenclature by Dr. John Attfield at an evening meeting, Mr. Joseph Ince writes:

"Change in or of nomenclature appeals in a totally different manner to two classes, who might be supposed to have identical interests—for interests reads sympathies, and the case is plain—these two are chemists working in a laboratory and pharmacists employed behind the counter. To the first nomenclature is a system of accurate labelling, each name is the expression of some theoretical truth. Therefore this nomenclature has changed, will change, and must change—for it follows in the immediate track of discovery. A chemist would gladly upset his whole nomenclature to-morrow if the change represented to him more accurately what he conceives to be the abstract truth. But with the pharmacist it is not so; he desires a certain set of names that may clearly, intelligently, and with sufficient accuracy, represent chemical substances; he does not care that such names should convey an intimate exposition of their nature and composition, and thus to a large extent he is independent of theory."

"Semprolia" Snow.

Trade Mark.

WE are advertising "Semprolia" Snow in the leading magazines and periodicals appealing to at least **Eleven Million Readers** of the best purchasing class.

Have you a supply ready for demands?

May we send you showcards, booklets, leaflets, etc.?

The only 1/- Vanishing Cream which is extensively advertised, and is packed in 2-oz. dainty Opal Jars, in artistic cartons.

Write for our Special Window Display Offer.

The Wm. Browning Co., Ltd.

Albert Street, Park Street,
London, N.W. 1.

Telephones: Hampstead, 4046, 4047.

Telegrams: "Semprolin, Norwest, London."

A new British Chemical Industry

POTASH COMPOUNDS

manufactured in England from English Potash.

CARBONATE OF POTASH, B.P.	CHLORIDE OF POTASH, B.P.	BICARBONATE OF POTASH, B.P.
PERMANGANATE OF POTASH, B.P.	YELLOW PRUSSIATE OF POTASH	RED PRUSSIATE OF POTASH

Orders for less than 100 lb. not accepted.

The British Cyanides Company, Ltd.

Sales Office: 49 Queen Victoria Street, London, E.C. 4.

Telegrams: "Cyanobrit, Cannon, London" *Telephone: Central 6273 (2 lines).*

British Dyestuffs Corporation Limited

TRADE

MARK.

Manufacturers of

Pharmaceutical & Photographic Specialities.

Sales Office:
70 Spring Gardens, Manchester.

Works: Ellesmere Port, Huddersfield, Manchester.

Telephones: Holborn 6749, 879.
Telegrams: "OLSTRANKEN, Phone, London."

TOSCAT BRAND
Reg. Trade Mark.

Codes: A B C, 5th Edition; Bentley: Marconi; Western Union.

ALKALOIDS
Aconitine
Arecoline
Atropines
Duboisines
Digitalines
Eserines
Pilocarpines
Piperazine
Scopolamines
etc.

Shipments from France and Gt. Britain.

ALL PACKAGES

Valerianates
ACID, AMMON., IRON, QUININE, ZINC, etc.

Guaiacolates
Creosotes
Cacodylates
Barbitone
Balsams
and all Fine Chemicals and Drugs
etc.

SPARTEIN SULPHATE
Always in Stock. SPECIAL PRICES Contracts.

APIOL GREEN AND YELLOW
(Bulk and Capsules) Contracts.

TARTARIC & CITRIC ACID c.i.f. any Port

SPANISH WHITE BARYTES

TERRA UMBER

The Old Strand Chemical & Trading Co., Ltd.,
Audrey House, Ely Place, LONDON, E.C. 1.
Works at MAISSE, SEINE-ET-OISE, FRANCE.

THE
KEENE COMPANY
52 Gray's Inn Road, W.C. 1.

For Spot & Forward Delivery:

CITRIC ACID
TARTARIC ACID
CREAM of TARTAR
ESSENTIAL OILS
SYNTHETICS
FLAVOURING ESSENCES

Acid Acetyl Salicylic
Acid Salicylic
„ Acetic
„ Tannic
Acetanilid
Bromides
Barbitone
Beta Naphthol
Benzoates
Creosotes
Dragon's Blood

Telegrams: "Americhem London."
Telephone: Holborn 2817/8.
NEW YORK BRANCH—335 BROADWAY.

LITHOL
"Ichthyol Ammon."
"CIBA"
BRAND
In original tins of 1-lb. and 5-lb.
The ideal product for all dispensing purposes.

AMIDOPYRIN
BARBITONE
GUAIACOLS

ASPIRIN
"Acid Acetylsal."
"CIBA"
BRAND
In original containers.
A pure white, crystalline powder.

PIPERAZINE
YOHIMBINE
VANILLIN
ETC.

METAGOL
"Metol"
100% PURE
"CIBA"
BRAND
In original bottles of 1-oz., 2-oz., 4-oz., 8-oz. and 16-oz.
The finest preparation of its kind.

PHENAZONE
PHENACETIN
PHENOLPHTH:
ETC.

Ciba Brand
REGD TRADE MARK
PRONOUNCED "SEE BAA"
THE MARK OF
PURITY & RELIABILITY.

Sole Concessionaires for the British Empire:
THE CLAYTON ANILINE COMPANY, LTD.
68½ Upper Thames Street - London, E.C.4.

ALKALOIDS

Fine Chemicals Opium Derivatives

SALICIN
CAPSICIN
CANTHARIDIN
PODOPHYLLIN
HYOSCYAMINE
HOMATROPINE
JALAP RESIN
IRIDIN
ALOIN
GINGERINE
LITHIA SALTS
SCAMMONY RESIN

MORPHINE
CODEINE
STRYCHNINE
CAFFEINE
EMETINE
THEOBROMINE
CHLOROFORM

OPIUM
TELA VESICATORIA
VERATRINE
ATROPINE
CHRYSAROBIN
DIAMORPHINE
EMETINE
BISMUTH IODID.
EMP. CANTH. LIQ.
ETHYL MORPHINE
HYDROCHLOR.
ERGOTIN

T. & H. SMITH LTD.

BLANDFIELD WORKS : 25 CHRISTOPHER ST. : 32 & 34 VIRGINIA ST.
EDINBURGH : LONDON, E.C. 2 : GLASGOW

CROWN CHEMICAL WORKS

TYPKE & KING Ltd.

MITCHAM COMMON, SURREY

Telegrams: "Valerianic Mitcham." Telephones: Mitcham 1555 & 1556.

Antimony Sulphides
Antimony Crocus
Antimony Oxide
Liq. Antim. Chlor.
Hypophosphite Salts

Hypophosphorous Acid
Acid Phosphoric
Sulphur Lac.
Sulphur Precip.
Sulphur, Finest Neutral

Agents in Manchester, Birmingham, Glasgow and Edinburgh.

WE ARE BUYERS AND SELLERS OF

TARTARIC ACID
CREAM OF TARTAR
CITRIC ACID

J. KHAMBATA & CO.

3 & 4 Ct. Winchester St.,
LONDON, E.C.2.

Telephone: London Wall 9306.
Telegrams:
Foreign—"Jehangir London."
Inland—"Jehangir, Ave, London."

UNITED CHEMICAL AND METALLURGICAL WORKS LTD.

CARLSBAD, CZECHO-SLOVAKIA.

PERMANGANATE OF POTASH B.P., large & small crystals.

CAUSTIC POTASH
CHLORATE OF POTASH
POTASSIUM AND SODIUM METALS
BARIUM CARBONATE
BARIUM CHLORIDE

FLUORIC ACID 70/75%
FORMIC ACID
BENZOIC ACID ex TOLUOL
BENZOATE OF SODA
FORMATE OF SODA
HYDROGEN PEROXIDE

Sole selling agents for the United Kingdom—

BROTHERTON - RATCLIFFE & CO., LTD.

Winchester House, Old Broad Street, London, E.C.2.

Telephone : London Wall 6150 (5 lines). *Telegrams : "Ebbenzolla, Ave, London."*

BRUNNER, MOND & Co., LIMITED

Crescent

Brand

ALKALI PRODUCTS

These products are made by the Ammonia process and are distinguished by their great purity.

PURE ALKALI, 58 Degrees

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper and soap makers. The best alkali for soap powders and washing powders.

BICARBONATE OF SODA

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

PURE SODA CRYSTALS

CAUSTIC SODA

Manufactured from pure Carbonate of Soda, all degrees of strength

CARBONATE OF AMMONIA

Retailers can obtain these products through any Wholesale House by specifying B., M. & Co.'s "Crescent" Brand.
The Manufacturers supply wholesale quantities only.

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.

London Office: 7 Cavendish Square, W. 1.

A. JOHNSON & CO. (LONDON) LTD.

3 GRACECHURCH ST., LONDON, E.C.3.

Telegrams : "AGENTICUM, LED, LONDON." Telephone : AVENUE 1098.

ESSENTIAL OILS.

EUCALYPTUS OILS B.P.
Strengths 70-75%
75-80%

EUCALYPTUS AMYGDALINA

" CITRIODORA

EUCALYPTOL

SANDALWOOD OIL—AUSTRALIAN

Pharmaceuticals, Photographics, etc.

ACID BENZOIC
" ACETYL-SALICYLIC
" DIETHYL-BARBITURIC
" LACTIC
" PYROGALLIC-RESUBL
" TANNIC, LIGHT
BROMIDE OF POTASSIUM
" " SODA
" " AMMON.
ANTIPYRINE
AMIDOPYRINE
AMMON. ICHTHOSULPH.

CALCIUM LACTATE
CREOSOTE PURE
CREOSOTE CARBONATE
HEXAMINE
HYDROQUINONE
METOL
PARALDEHYDE
PHENOLPHTHALEIN
RESORCINE
THEOBROMINE
SULPHUR PRECIP.

BRANCHES: Stockholm, Gothenburg, Malmo, Copenhagen, Paris, New York.

P. WHIPMAN & CO. LTD.

(Governing Director: Philip Whipman.)

DRUGS—CHEMICALS—OILS

Aconite Root
Alkanet Root
Aloes
Belladonna Root
Balsam Copaiba
Camomiles
Cardamom Seeds
Cassia Fistula
Citronella Oil
Cochineal
Colocynth
Elder Flowers
Eucalyptus Oils
Ergot of Rye
Frangula Bark
Gum Tragacanth
Gentian Root
Guaza
Henbane
Insect Flowers & Powder
Ipecac.
Licorice Root & Juice
Saffron
Sarsaparilla
Sage Leaves & Rubbed
Scopolia Root
Senega Root
Senna Leaves & Pods
Stramonium Leaves
Turpentine, Venice (Artificial)
Uva Ursi Leaves
Valerian Root
Witch Hazel Leaves, etc.

CHEMICALS. All Salts of Potash, Ammonium and Magnesium, Acids, Zinc Oxide, Hydroquinone, etc. etc.

Telegrams: "Whimazusa London."
Telephone: Avenue 5265.

4 NEW LONDON ST., LONDON, E.C.3.

BICARBONATE OF POTASH
METABISULPHITE OF POTASH
SAPONINE

PETRI BROTHERS
39 LIME STREET, LONDON, E.C.3.

FOR
ACIDS SULPHURIC HYDROCHLORIC NITRIC
Mercurials
Bromides
Cascara Bark
Saccharin
Senega Root
and other Botanicals

Ask BERK

F. W. BERK & CO., Ltd.
1 FENCHURCH AVENUE, LONDON.
Works: STRATFORD and MORRISTON.
Telep.: 4032 Ave. Teleg.: "Berk, Phone, London."

THE WORLD'S

STANDARD ANAESTHETIC

CHLOROFORM

This is the Brand which Sir J. Y. SIMPSON used in his Epoch-making Discovery, 1847. Manufactured from

PURE ALCOHOL or ACETONE

BY

DUNCAN, FLOCKHART & CO.

EDINBURGH & LONDON, 155/7 FARRINGDON ROAD, E.C.4

(1)

PYROGALLIC ACID RE-SUB.
SALICYLIC " U.S.P.
BENZOIC " (FLAKES)
(WHITE, PUREST QUALITY).
BENZOIC ACID
(EX TOLUOL, SUBLIMED CRYSTALS).

SODIUM ACETATE U.S.P.
SULPHUR. SICILIAN FLOWERS
" SICILIAN ROLL
" AMERICAN ROCK
LANOLINE. "BROFO" BRAND.

BROWN & FORTH, LTD. 10 Dolefield - - MANCHESTER
21 Farringdon Street, LONDON, E.C.4

GALENICALS

from Chemically and Physiologically tested Drugs

WILLOWS, FRANCIS, BUTLER & THOMPSON, LIMITED

40 Aldersgate Street, London, E.C. 1.

ACID GALLIC, White, B.P.
ACID TANNIC LEVIS
ACID PYROGALLIC

Cryst. and Resublimed.

Spot and Forward Deliveries.

Price List of "Scales Brand" Chemicals post free on Application.

JOHNSON & SONS MANUFACTURING CHEMISTS, LTD.

Cross Street, Finsbury - LONDON, E.C. 2.

MURPHY & SON LIMITED

MANUFACTURING & RESEARCH CHEMISTS.

PHARMACEUTICAL, MEDICAL & GENERAL.

LABORATORIES:

The Cedars Laboratories, Mortlake, London, S.W. 14. | Bureau of Bio-Technology, Queen Square, Leeds.

FACTORIES:

Old Basford Mills, Nottingham. | Sycamore Works, Basford, Notts.

Please address all enquiries and correspondence to the Registered Offices of the Company,

SHEEN LANE, LONDON, S.W.14.

MURPHY & SON LIMITED

Chlorate of Potash
Chlorate of Soda
Chlorate of Baryum
Perchlorate of Potash
Perchlorate of Ammonia

Selling Agents: CHAS. MANGOLD & CO. LONDON
9 MINCING LANE, E.C.3.
SOCIÉTÉ D'ELECTRO-CHIMIE ET D'ELECTRO-METALLURGIE
2 RUE BLANCHE, PARIS.

CREAM OF TARTAR

99/100% B.Ph.

Finest Essential Oil Lemon,

New Crop

We have large consignments for sale and are quoting particularly favourable prices.

C. W. FIELD, Ltd.,
92 Wood Street, LIVERPOOL.

EMETINE

Hydrochloride, Hydrobromide
EMETINE-BISMUTH-IODIDE,
ATROPINE, STRYCHNINE
CAFFEINE, THEOBROMINE, NICOTINE
QUININE SALTS
IODINE & BROMINE PREPARATIONS
Mercurials, Refined Camphor
MORPHINE AND CODEINE
Alkaloids and Salts
Opium and all Opium Derivatives

SANDAL WOOD OIL

Whiffen & Sons, Ltd., are Sole Consignees of the

Mysore Government

Standard Product

Complies with the requirements of all Pharmacopœias

Samples can be had on application.

Whiffen & Sons, Ltd., Battersea, London, S.W.11

Telegrams: "Whiffen London." Telephones: Battersea 1234, 1235 and 1236. Codes: A B C, 6th, Lieber's and Bentley's.

PERFECTION ATTAINED.

D. 50 is the New Universal Developing Agent

of our own discovery, and will satisfy the ideal of every photographer.

2/6	Size	**20/-**	per dozen, net, carriage paid.
4/-	"	**32/-**	" " " "
6/6	"	**52/-**	" " " "

THE COOPER LABORATORY

(Chemicals and By-Products, Ltd.)

WATFORD.

Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of **99·5** PER CENT. of pure oxide; in fact the impurities are not traceable.

Thos. Hubbuck & Son, Ltd.
ESTABLISHED 1765
24 Lime Street, London, E.C. 3.

MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen St., Melbourne.

Sold by the following Wholesale Druggists in Boxes of 7 lb. and 14 lb. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:—

Allen & Hanburys (Lim.)
Ayrton, Saunders & Co. (Lim.)
Baiss Bros. & Company
Bell, Jno., & Co. [(Lim.)
Bleasdale (Lim.) [(Lim.
Boots' Pure Drug Co.
BritishDrugHouses(Lim.)
Burgoyne,Burbidges&Co.
Butler & Crispe [(Lim.)
Clay, Dod & Co.
Cockburn & Co. (Lim.)
Corbyn, Stacey & Co.
Dakin Brothers [(Lim.)
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans Sons Lescher & Webb (Lim.)
Ferris & Co.
Gale & Co.
GlasgowApothecaries'Co.
Glasgow New Apothecaries' Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan (Lim.)
Harkness, Beaumont & Co.
Hatrick, W. & R., & Co.
Hirst, Brooke & Hirst
Hodgkinson, Prestons & King
Hodgkinsons, Clarke & Ward
Horner & Sons
Huskisson, H. O., & Co.
Inman's Stores (of Edinboro')
Ismay, John, & Sons
Lofthouse & Saltmer (Lim.)
Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co.
Raimes, Clark & Co.
Raimes & Co.
Rankin & Borland
Silverides, R. B. G.
Southall Bros. & Barclay
Sumner, R., & Co.
Taylor, James
Thompson, John (Lim.)
Willows, Francis, Butler & Thompson (Lim.)
Woolley, Jas., Sons & Co. (Lim.)
Wright, Layman & Umney (Lim.)
Wyleys (Lim.)

Barry, E. J., New York
Finlay, Dicks & Co., New Orleans
Chas. L. Huisking, Inc., 5 Platt Street, N. York
Lehn & Fink, Inc., N. York
McKesson & Robbins, Inc., New York.
Muth Brothers & Co. Baltimore
Roller & Shoemaker, Philadelphia
Schieffelin & Co. Inc. New York
Shoemaker & Busch, Philadelphia

CHAS. PAGE & CO., LTD.

47/51 KING WILLIAM ST., LONDON, E.C.4

And at 26 Brown Street, Manchester.

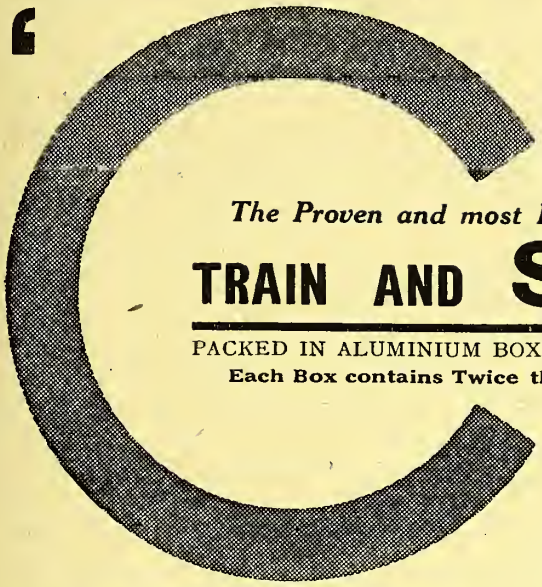
OFFER AT FIRST HAND:

ACETANILIDE
ACID BENZOIC, GALLIC, CITRIC, SALICYLIC, TANNIC, TARTARIC
BENZO-NAPHTHOL
HEXAMINE
HYDROGEN PEROXIDE
METHYLENE BLUE
NAPHTHALENE (Marbles & Flakes)
PARALDEHYDE
PHENACETINE
PHENOLPHTHALEIN
POTASSIUM PERMANGANATE
RESORCIN
SODIUM BENZOATE
" HYPOSULPHITE
" SALICYLATE
" SULPHITE
TARTRAZINE
VANILLIN

WHOLESALE QUANTITIES ONLY.

Telephones Avenue 1729. Head Office Avenue 6998. Manchester: Central 1882. Telegrams: "Paganini London." "Paganini Manchester."

BUYING AGENTS Required in all Parts of the World.



'C. CURE.'

The Proven and most Reliable Preventive and Cure for

TRAIN AND SEA SICKNESSES

PACKED IN ALUMINIUM BOXES ENCLOSED IN DECORATED CARTONS
Each Box contains Twice the value of any other similar Remedy.

Large Size - 8/- - per Box.
(Enough for Four Journeys)

Small Size - 4/- - per Box.
(Enough for Two Journeys)

Liberal Discounts to Wholesale and Shipping.

APPLY:

'C. CURE' Ltd., 111-113 Great Portland St., London, W.1

Phone: 4510 Mayfair. *Correspondence in All Languages.* Telegrams: "Cecurio, Wesdo, London."

SUPEROL
BRAND
ORTHO-OXYCHINOLINE SULPHATE.
Non-caustic, Non-toxic.

Why should SUPEROL be in every Household ?

BECAUSE it is the ideal Disinfectant and Antiseptic.
SUPEROL should be in every Household, and in Outfits of NURSES, TOURISTS, TRAVELLERS, AUTOMOBILISTS, because one can then immediately apply.
IN ALL CASES, an entirely harmless, yet very highly powerful disinfectant for use both with adults and children.
SUPEROL can be applied in cases of affections of the THROAT, MOUTH and NOSE. BURNS, INSECT STINGS, the CLEANSING of WOUNDS, HÆMORRHOIDS, INTERNAL RINSINGS.
SUPEROL has also been found to be of great value to the Veterinary Surgeon.
SUPEROL offers an excellent profit to the retailer.

Further particulars, samples and literature on application to the Sole Agent for the United Kingdom—

K. RAYMENT,
2 Broad St. Place, Blomfield St., London, E.C. 2.
Phone: 4688 London Wall.

Manufacturers: The United Chemical Works, AMSTERDAM.

Pyrogallic Acid Gallic Acid

Manufactured by J. L. ROSE
At ABBEY ROAD, BARKING, LONDON, E.
Wholesale and Export Only.

Viuda de Jose Solernou
Diputacion 174, Barcelona, Spain.
Agency & Representative House. Established in 1875.
Member of the British Chamber of Commerce at Barcelona.
AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.

Hammer & Co.,
3 East India Avenue - London, E.C. 3.

CITRIC & TARTARIC ACID,
CREAM OF TARTAR,
SICILIAN SULPHUR (All Grades)
BICHROMATE OF POTASH
SODIUM PEROXIDE

Telephone: Avenue 4030 Telegrams: "Clavulus, Led, London."

THE PERFECT FORMULA: BISMUTH, MAGNESIA, SODII SULPHOCARB. & SOD. BICARB.

"RED BAND"

BISMUTHATED MAGNESIA

IN THREE SIZES:

Exceptional Profits — Cost 4½d. per 9d. box 1/3 (Peppermint) — Satisfied Customers

30/- per 60/- gross 99/-

Bonus on all orders of ½ gross and upwards. (1 dozen with every gross ordered)

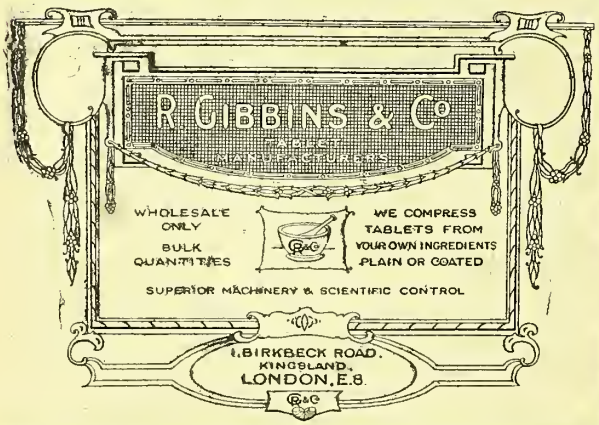
Carriage Paid 30/- Carriage Paid 30/-

Give your Customer the Best, and that will always be "RED BAND."

We now also pack the heavier Bismuthated Magnesia, "Red Band" Formula, in Bottles, selling at 1/3 and 2/3 Peppermint Sweetened, nicely packed in half-dozen show boxes.
Cost 96/- 180/- per gross net.

Special Bonus of 1 bottle with each dozen ordered for quantities 6 dozen and over.
Tablets can also be had, 7/9 dozen net, neatly boxed.

Red Band Chemical Co., Richmond Terrace, Edinburgh.



GENTIAN ROOT

POWDERS—Caragheen, Fennel, Gentian, Hellebore, Insect, Liquorice, Marshmallow, Orris, Senna, Sulphur, Talc.
ROOTS—Alkanet, Colchicum, Gentian, Hellebore, Liquorice, Marshmallow, Orris, Scopolia, Squills.
LEAVES—Coca, Jaborandi, Origanum, Pennyroyal, Rosemary, Sage, Senna, Thyme.
FLOWERS—Arnica, Insect, Lavender, Poppy, Violet.

HORACE BATTIN & CO., LTD.
Port of London Bldg., Seething Lane, London, E.C. 3.
Telephone: Avenue 8585. *Telegrams:* "Hobatco, Fen, London."

PILLS
TABLETS
CAPSULES

A WORLD-WIDE REPUTATION.

HOWARD LLOYD & Co., Ltd.
Asfordby Street Works,
LEICESTER.

PROMPT DELIVERY —— BEST QUALITY and FINISH —— LOWEST PRICES.

A. S. PRICE & CO.

Limited,

Manufacturing Chemists,

BLACKHEATH, BIRMINGHAM

We beg to announce we have purchased the business of CARMOL, LTD., BIRMINGHAM, and are in a position to supply all the usual articles listed by them. Inquiries from old and new customers will be welcomed, and have prompt attention. Same should be addressed to us at our Works.

SPECIAL OFFER

To clear Stocks taken over, we offer

CARMOL SKIN TABLETS RETAIL **1½d.** EACH

PACKED ON 1 DOZEN CARDS. 9/- PER GROSS.

5 gross lots *less* 5 %
10 gross lots *less* 12½ %
50 gross lots *less* 15 %

2½% further discount for cash in 7 days. Carriage paid on 5 gross lots.

Special prices quoted for Bay Rum, B.R. and Cantharides, Lime Cream, Brilliantine, etc.

Telegrams: "Custard, Blackheath, Staffs." *Tel.: Cradley 174.*

Alliance Drug & Chemical Co., London

Offices: 10 BEER LANE, GT. TOWER ST., E.C.3.

NOTE.—Only terms, Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

Ammon. Brom. P.B., 7 lbs. @ 1/7 lb.
,, Carb., lump, 3 cwt. @ 5d. lb.; 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.; powder, ½d. lb. extra.
Ammon. Chlor., 99% pulv. 1 cwt. @ 99/- cwt.; 7 lbs. @ 1/1 lb.; Batteries, 6/- cwt. extra.
Aniseed, English ground, 1 cwt. @ 130/- cwt.; 7 lbs. @ 1/3 lb.
Antim. Nig. Pulv., 7 lbs. @ 7d. lb.

Cetaceum, No. 1, fine white, 64 lbs. @ 1/11 lb.; 7 lbs. @ 2/- lb; powder, 7 lbs. @ 2/4 lb.
Chloral Hydras Cryst., B.P., 7 lbs. @ 6/9 lb.; 1 lb. @ 7/- lb.
Chlorodyne, 5 lbs. @ 3/9 lb.
*Chloroform, pure, B.P., 12 8 lbs. @ 4/6 lb.; 8 lbs. @ 4/8 lb.; 6 1-lb. bots. @ 5/6 lb.

Ferri Ammon, Cit., P.B., 28 lbs. @ 4/5 lb.; 7 lbs. @ 4/9 lb.
Ferri Carb., 14 lbs. @ 7½d. lb.
Ferri et Quinin æ Cit. P.B., 100 oz. @ 1/4 oz.; 25 oz. @ 1/5½ oz.

*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 3/5 lb.
* ,, Aurant. Comp. Conc. 1 to 7, 6 lbs. @ 3/5 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 6/10 lb.

Paraldebyde, B.P., 1 lb. @ 4/8 lb.
Pepsin, B.P., 1 lb. @ 30/6 lb.
Phenacetin, B.P., pulv., 1 lb. @ 10/6 lb.
Phenazone, B.P., 1 lb. @ 11/- lb.

Soda Cit., B.P., 3 lbs. @ 4/4 lb.
,, Sulphite, Recryst., 1 cwt. @ 37/- cwt.; 7 lbs. @ 5d. lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 37/6 cwt.
Soda Sulphocarbolas, B.P., 7 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
Sodii Bromid., P.B., 7 lbs. @ 1/8 lb.
,, Salicyl. Pulv., 2 lbs. @ 3/- lb.

* Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
N.B.—In comparing prices it must be borne in mind that bottles and packages are free, and that same will be credited if returned.

Swiss Bank Corporation

Basle, Zurich, St. Gall, Geneva, Lausanne, La Chaux-de-Fonds, Bienne, Chiasso, Herisau, Le Locle, Nyon.

London Office - - - 43 LOTHBURY, E.C.2.
West End Branch: 11c REGENT ST., WATERLO PLACE, S.W.1.

Capital Authorised & Fully Paid-up £4,000,000
Reserves - - - - - £1,240,000

Banking and Exchange Business of every description transacted. The Bank will gladly furnish the Chemical and Drug trades with all available information regarding Trade and Industry in Foreign Countries.

Theobromine Soda-Salicylate

(Chemically the same as Diure'in of the Ph.N.IV.)

THEOBROMINE PURE ALKALOID
CAFFEINE AND COMPOUNDS

Societeit voor Chemische Industrie "Katwijk"
KATWIJK-AAN-ZEE, HOLLAND.

Importer for the United Kingdom—

A. H. PICKERING, 85/88 The Minories, E.1. [2]

SOLAZZI LIQUORICE JUICE

IS PRE-EMINENTLY THE CHEMIST'S BRAND

BECAUSE

1 IT IS RECOGNISED AS SUCH BY THE LEADING MEDICAL JOURNALS.

2 IT IS RECOGNISED AS SUCH BY CHEMISTS AND THE PUBLIC, AS IS PROVED BY ITS UNINTERRUPTED SALE OF OVER 100 YEARS.

3 THE SALE IS HELPED BY STEADY AND INTELLIGENT ADVERTISING.
ASK YOUR WHOLESALER FOR OUR LATEST HANDBILL.
IT WILL INTEREST YOU AND IT WILL INTEREST YOUR CUSTOMERS.

SOUTH AFRICA.

Branches in all Important Towns.

LENNON LIMITED

WHOLESALE AND RETAIL

CHEMISTS AND DRUGGISTS.

Druggists' Sundriesmen. Dealers in Surgical Instruments, Dental, Optical, and Photographic Goods, Perfumery, and Assay and Mining Requisites. Contractors to Hospitals and Public Institutions. Agencies undertaken.

London Office:

12-14 LAFONE ST., LONDON, S.E.1.

T. FUJISAWA & CO.

Manufacturing Chemists,

21 PARK ROW :: NEW YORK CITY.

Cable Address: "Camphrier, New York."

CAMPHOR

REFINED

We can supply this material in either 2½-lb. slabs or tablets of any size desired. All sizes ready for shipment from works in Japan. This is our specialty, and we are prepared to make prompt shipment of any quantities desired. :: :: ::

MAIN OFFICE:

Doshumachi, Osaka, Japan.

Cable Address: "Camphrier, Osaka."
All Codes Used.

TOMODA & COMPANY,

WHOLESALE DRUGGISTS, EXPORTERS, IMPORTERS AND MANUFACTURERS.

OFFICES: Tokyo, Yokohama, Osaka, Dairen (Dalny), Singapore. FACTORY: Hiranuma, Yokohama.
LABORATORY: Marunouchi, Tokyo.

THE SUPPLIERS OF THE FOLLOWING JAPANESE PRODUCTS:

Ammonia Sulpho-Ichthyol, Agar-Agar, Aniline Oil Argent. Proteinic, Arsenobenzol, Caffein Pure, Camphor Chalk Precipitated, Chamomile Flowers, Cod Liver Oil, Copper Sulphate, Epsom Salts, Glycerine, Insect Flowers and Powder, Iodide Potass., Iodide Soda, Iodine Pure, Iodoform, Kuromoji Oil, Magnesia Carbonate, Menthol, Menthol Cones, Naphthalin, Neoarsenobenzol, Peppermint Oil, Salicylic Acid, Salicylate Soda, Sulphate Iron, Staraniseed, Talcum, Yellow Prussiate Potass., Zinc Oxide, Ginger. etc. etc. Also Glasswares and Bottles.

Correspondence respectfully invited to

TOMODA & CO., 4-CHOME, HONCHO, NIHONBASHIKU, TOKYO.

Telephones: London Wall 4391, & Bank 275 Cable Address: "TAARINCO, LONDON."

THE EASTERN & RUSSIAN TRADING COMPANY, LIMITED,

8 Drapers Gardens, Throgmorton Avenue, London, E.C. 2.

Representatives and Agents in France, Holland, Italy, Germany, Switzerland, Turkey, Palestine, Siberia, India, Japan, and U.S.A.
General Agents of I. L. GOLDBERG, Petrograd, Vilna, Odessa, Moscow.

The exclusive exporter and distributor of

SANTONINE

From Russia to the whole world.

Inquiries solicited also for

RUSSIAN CRUDE DRUGS

Wormseed (Semen Contra)	Lycopodium	Elecampane Root	Gum Ammonia	Henbane Leaves	Anise Oil
Aniseed	Ergot of Rye	Liquorice Root	Gum Galbanum	Frangula Bark	Coriander Oil
Elderflowers	Boletus Cervinus	Calamus Root	Gum Tragacanth	Cantharides	
		Soap Root		Blood Albumine	

STOCKS IN LONDON & AT THE PRINCIPAL AGENCIES.

Cable Address: "CELAITCH NEW YORK."

Codes: A B C, Fifth; Bentley's Improved Private.

CHAS. L. HUISKING, INC.

5 Platt St., New York City.

BROKERS & COMMISSION MERCHANTS, DRUGS : CHEMICALS : OILS : SPICES. PROPRIETARY MEDICINES, DRUGGISTS' SUNDRIES.

Buying and Selling Agents for leading Houses in all parts of the World.

European Manufacturers desirous of placing their goods in the American market would do well to communicate with us. Our outlet for goods is very large.

London Correspondents—CHAS. L. HUISKING, LTD., 74 Gt. Tower St., London, E.C. 3.

'Phone: AVENUE 8329. *Cable Address: "CELAITCH LONDON."* *Telegrams: "CELAITCH, BILGATE, LONDON."*

Save the freight you pay on

NUX VOMICA

by importing your requirements of

STRYCHNINE AND STRYCHNINE SALTS

direct from actual makers in India

SMITH-STANISTREET & CO. Ltd.

CALCUTTA,

who will be pleased to submit prices and samples on application.

SPECIAL PRICES FOR

Podophyllin Resin (Emodi), Thymol, Turmeric Root, and all Indian Indigenous Drugs.

Cable Address - - "STANSTREET, CALCUTTA."
Codes - - - - A B C (5th Ed.); Bentley's.

THE STANDARD SALINE LAXATIVE

Bristol-Myers Co.
New York

On Sale by Thos. Christy & Co., 4, 10 & 12 Old Swan Lane, Upper Thames St., London, E.C. 4.
The American Drug Supply Co., Ltd., 1 Charing Cross, W.C. 2.

"BILAX" the new nam

Stout Friend: "*I like that song, General.*"
Gen. Grouch: "*Yes? I also overflow with mirth—can't you hear me shout for joy?*"

"Bilax for Bile will bring the smile" to the General if he will take Bil and at the same time eat only light food, plenty of fruit, and take more exercise. It always difficult to convince a grouch that his liver is at fault—but it is not difficult cure him if he will adopt the Bilax plan.

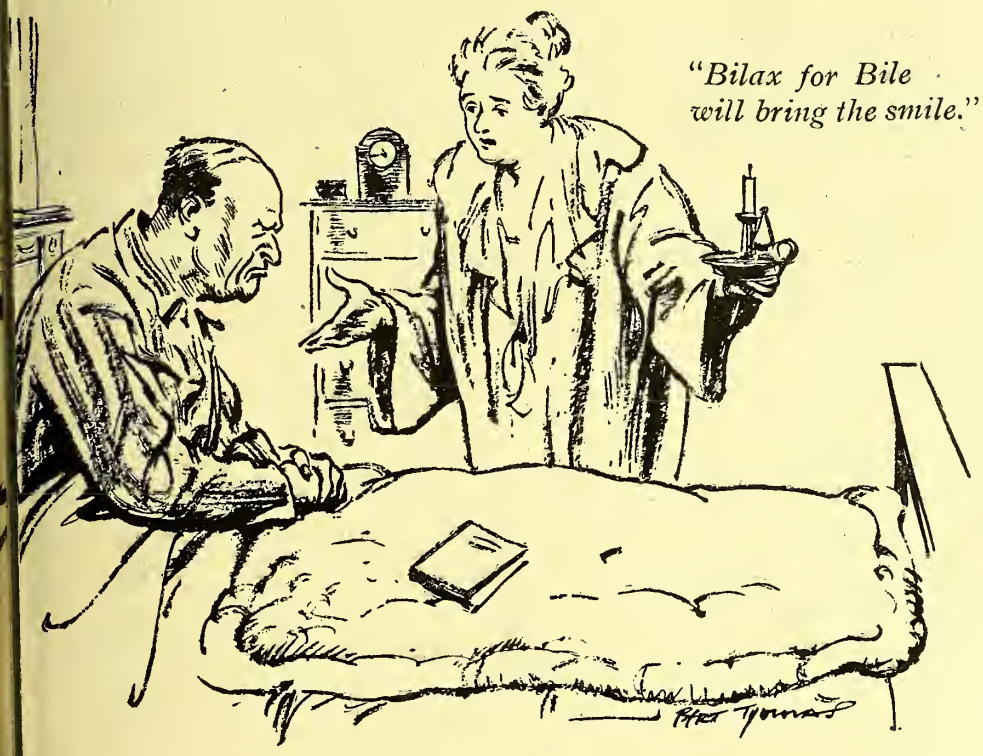
"General" Grouch and his liver w help to extensively advertise Bila

Doan's Dinner Pills

avoid confusion with Doan's Backache Kidney Pills, we have nged the name of Doan's Dinner Pills to "BILAX," a e more expressive of the bile laxative purposes of this preparation.

registered "BILAX" in 1907, and have latterly familiarised name to users of our preparations by stickers and wrappers. newspaper campaign is now planned to popularise "BILAX"

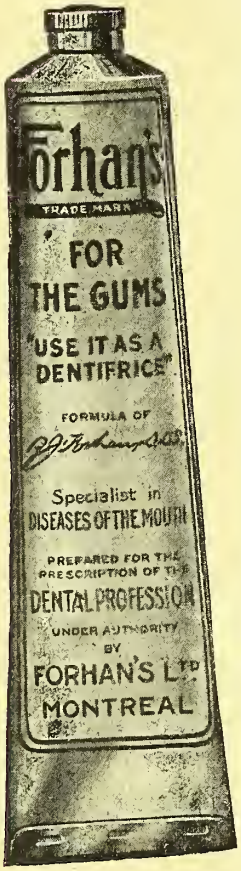
Foster-McClellan Co., 8 Wells St., London, W. 1.



Gen. Grouch: "*Good heavens, Mary! I'm glad it's not true. I dreamt you'd gone and left me.*"

Mary: "*Oh, don't you worry, my dear old grouch. I haven't lost faith these twenty years: I still hope to see you smile.*"

Forhan's Saves Trips To The Dentist



Most customers will appreciate your advice on a dentifrice that saves dental bills by keeping the teeth white and clean, the gums firm and healthy.

Forhan's For the Gums contains a certain portion of the curative Forhan's Astringent. It is therefore doubly valuable as a dentifrice and as a preventive treatment for Pyorrhea.

Conspicuously advertised in important magazines and newspapers, Forhan's sells quickly and brings many repeat sales.

Prices and full Information on Request.

THOS. CHRISTY & CO.
4-12 *Old Swan Lane,*
London, E.C. 4.

Forhan's
FOR THE GUMS

P.A.T.A. NOTICE.

113 Temple Chambers, Temple Avenue, E.C. 4.

23rd April, 1921.

THE Council of the P.A.T.A. hereby heartily invite applications for membership from manufacturers of Proprietary Articles, and from Wholesale and Retail vendors of the same. Whatsoever manufacturers' thoughts may have been in the past about the need for price-protection, none but the selfish can now maintain that better profits (assured) are not essential to the conduct of business. The cost of running pharmacies is now greatly increased, and it cannot be wondered at if retailers give the iciest of "cold shoulders" to proprietaries not on the P.A.T.A. Subscriptions (which run for twelve months from date of joining) are:—

Manufacturers	£6 : 6 : 0
Wholesalers	10 : 10 : 0
Retailers	0 : 7 : 6

Crossed cheques or P.O.s, payable to the Proprietary Articles Trade Association, to be sent to the Secretary,

SIR WILLIAM GLYN-JONES,
113 Temple Chambers, E.C. 4.

MEDICINAL
GELATINE CAPSULES

Blaud Pill
Castor Oil
Cod Liver Oil
Balsam Copaiba
Sandalwood Oil

etc. etc.

INQUIRIES INVITED.

JOHN TYE & SON,
457 Caledonian Road, LONDON, N.7.

ETABLISSEMENTS CHATELAIN, 2 Rue de Valenciennes, PARIS.

All Chatelain's preparations are on the **P.A.T.A.** *List.*

Jubol, Globéol, Gyraldose, Pagéol, Fandorine, Sinubérase, Filudine, Jubolitan, Jubolitoires, Vamianine, Dialirol, Linycol, Rhino-Fogyl, Fogyl, Romanyl, Poral, Poralin, Noctyl, Rucoval, Furosyl, Succine, Corivore-Plaster, Collampoules: Vamiol, Bokanol, Gamostyl, Plasmocol, Dosarter, Pyran.

Urodonal

Costs you 9/7
Sells at 12/-

SIMILAR TERMS ON ALL PREPARATIONS.
From Sangers; May, Roberts; Butler & Crispe, and all Wholesalers.

Sole Agent for U.K.:
M. E. BOUSSARD, 7 PADDINGTON ST., LONDON, W.1.

SYRUP

ROBORANS

(ROBERTS)

Recognised by the Medical Profession as

THE BEST TONIC.

Supplied in 8-oz. and 16-oz. Bottles by all the Wholesale Houses.

Inquiries Invited for
NEW & RARE MEDICINES
of French, Italian and Russian Origin.

ROBERTS & CO.,
76 New Bond Street, London, W.
5 Rue de la Paix, Paris.

A *Proven* Remedy with a *PROVEN* SALE "ALEXINE"

ASSIMILABLE PHOSPHORUS.

THE GREAT FRENCH SPECIFIC FOR ANÆMIA, NEURASTHENIA, DEBILITY, LOW SPIRITS, DEPRESSION, INSOMNIA, NERVOUS EXHAUSTION, ETC. ETC. ETC.

THE great majority of persons to-day suffer, little or much, from nervous exhaustion in one form or another. A strong demand exists for a genuine Nerve Cell Nutrient such as "ALEXINE." "ALEXINE" enjoys a huge sale in France—where the need for it is not so great even as in this country.
"ALEXINE" has been tested on the British market with highly satisfactory results. The first large consignment has been sold quickly *and without advertising.* NOW an extensive and widely-spread advertising campaign is to be launched immediately in the big circulation dailies and weeklies. YOU should stock "ALEXINE"—the popularly-priced Nerve Cell Food and Invigorator which *sells.* "ALEXINE" has the support of the medical profession. Write to-day for terms to—

HEPPELLS, 164 Piccadilly, W.1. *FOREIGN CHEMISTS*

COLLOSOLS (CROOKES')

The Original Colloidal Preparations for Medicinal Use

are specified with increasing frequency on the script you deal with daily.

These "old drugs in a new form" have secured the confidence of your medical clientele.

Unique opportunities are afforded the pharmacist identified as the medium for local distribution.

Generous terms and loyal co-operation make the handling of these lines attractive and remunerative.

COLLOSOL ZINC CREAM

COLLOSOL SULPHUR

COLLOSOL FERROMALT

Full Explanatory Brochure of all Collosol Preparations will be supplied free on application.

THE CROOKES LABORATORIES,
BRITISH COLLOIDS, LIMITED
22 Chenies Street,
Tottenham Court Road, W.C.1.
CORYTONS. *Telephones : Museum 3663 and 3697.*

BOOK THE ORDER

Promise the goods by return post, and retain your hold on your customer.

Then phone, wire, or write us. You shall have goods by return. We will invoice through your wholesaler if you wish.

Ordinary Terms to Retailers 25% discount.

(Whether through wholesaler or direct from us)

25% off minimum retail prices. Carriage paid on 10/- (net) lots.

Bonus or cash with order Terms to Retailers 33⅓% discount. *Carriage paid.*

(1) 33⅓% off £4 10s. order, i.e. £3 net.
(2) Window show materials.
(3) Advert. in your local paper—mentioning your name.
(4) Exchange of unsaleable for saleable lines at any time.

SHADFORTH PRESCRIPTION SERVICE Ltd.

Governing Director: Mr. William Shadforth, Pharmaceutical Chemist,
63 GROVE ROAD, BOW, LONDON, E.3. *Phone - 3644 East*
City Branch, 49 King William Street, E.C.4. *Phone - 920 Central*

Please mention "C. & D." advt. No. 3, April 23, 1921, and mark your letter "Retailers' Department."

Dr. Bengué's Ethyl Chloride for Local and General Anaesthesia, in Glass and Metal tubes.

Large selection of tubes.

Anestile for Local Anaesthesia.
Narcotile for General Anaesthesia.
Methyl Chloride.

Ask for Special Terms and Showcards for Dr. Bengué's Balsam.

Dr. BENGUÉ & CO., MANUFACTURING CHEMISTS,
52 Charlotte St., LONDON, W. 1.

Seven Spas Soap

For all Rheumatic Complaints.
Recommended by the Medical Profession.

SOLD BY ALL STORES AND CHEMISTS.

Price **1s. 6d.**

Seven Spas Proprietary Co., Ltd.
3-9 Heddon Street - Regent Street, W. 1

Musterole brings more trade to your shop

Many chemists benefit directly from the extensive national advertising campaign of Musterole by displaying this product prominently in windows and showcases. They find, too, that Musterole attracts many *new* customers who invariably make additional purchases.

Musterole is a clean, white ointment made from pure oil of mustard. It has all the virtues of the old-fashioned mustard plaster but is used without fuss, mess or blister. You may safely recommend it as a remedy for rheumatism, lumbago, neuralgia, sore muscles, aching joints, colds and congestions.

Investigate the possibilities for your shop—find how it will increase your trade. Prices and full information on request.

Thos. Christy & Co., 4-12 Old Swan Lane, London, E.C.4

MILLER'S

MUSTEROLE

WILL NOT BLISTER

Langley-Smith & Co.

Castor Oils, *Medicinal, Lubricating.*

Colza Oils, *Best Pure, Prepared.*

Linseed Oils,

Best Raw, Double Boiled. Refined,

BEST PURE COLZA OIL

Turpentines,

Best Pure Spirits.

Substitutes,

Best Grades.

Samples and Prices on Application.

14-20 St. Mary Axe
London, E.C. 3.

Telegrams—"Tallowdom London." Tel. No.—Avenue 3820.

Francis F. Fox & Co.: Bristol

LINSEED OIL. TURPENTINE.
FINE OLIVE OILS.
LIQUID PARAFFIN. CASTOR OIL.
CHEMICALS. DRYSALTERY.
PETROLEUM JELLY.
CRUSHED LINSEED.

PRICES ON APPLICATION.

TELEGRAMS—"FOX BRISTOL." TELEPHONE—19 BRISTOL.

LIQUID PARAFFIN B.P. 1914

EXCLUSIVELY REFINED FROM

RUSSIAN CRUDES.

ALL GRAVITIES. HIGHEST VISCOSITIES.

"JASMINE BRAND" **ADEPS LANÆ B.P.** Superfine Anhydr. and Hydrous.

LANOLINE.

"JASMINE BRAND" **PETROLEUM JELLIES B.P.**

White and Yellow Tasteless and Odourless.
Natural Filtered and Opaque.

"JASMINE BRAND" **WHITE OILS** Chem. Pure, Water White, Tasteless, Odourless.

FOR MANUFACTURING PURPOSES.

All Our Products are Guaranteed of Finest Qualities and Our Prices are Competitive.

THE PURE RUSSIAN LIQUID PARAFFIN CO., LIMITED.

3 ST. HELEN'S PLACE, LONDON, E.C.3.

Actual Refiners and Manufacturers at their Works near London.

Gelatines

Fine Leaf Gelatine, Pure Calf.

"Albion" Brand (In 1-lb. Packets, 112 × 1-lb. to Case).

Made in England.

FINE CRYSTAL GELATINES.
PURE SKIN GELATINES.
POWDERED GELATINES.

Samples on Application.

OURY, MILLAR & CO. 9 MINCING LANE, LONDON, E.C. 3.

Telegrams: "Olmenth London." *Telephone: Avenue 4978.*

Individual Policies rolled into ONE

THE POOL COMPREHENSIVE SHOPKEEPER'S POLICY

COVERS ALL RISKS
ANNUAL BONUSES

RISKS COVERED

Fire, Burglary and Housebreaking, Loss of Rent and Profits, Plate Glass, Employers' Liability, Public Liability, Third Party, Drivers, Lightning, Thunderbolt, Earthquake, Subterranean Fire, Gas Explosions, Bursting of Water Pipes and Boilers following Frost and Explosion, Storm, Flood or Tempest, War Aircraft, Bombardment, Riots, Strikes, Civil Commotion, etc., etc., at rates according to Trade.

THE LICENSES & GENERAL INSURANCE COMPANY LIMITED
Victoria Embankment
Next Temple Stn, W.C.2

All over the World

KUTNOW'S POWDER is in constant demand, and Chemists who stock it realise a handsome return for little effort. The reasons for this lie in the constant recommendation it receives from regular users, and extensive publicity in the press. Ask your wholesaler to quote you with reference to this profitable line. If you don't stock KUTNOW'S your customers will buy it somewhere else.

Ask your Wholesaler for full particulars and prices.

Kutnow's Powder

DEER LEAP REGTRADE MARK

THE KUTNOW LABORATORIES, 41 Farringdon Road, E.C. 1.

Saint-Raphael

Tonic, Restorative, Digestive Wine.

Known throughout the World, and prescribed in all cases of ANÆMIA, DEBILITY, and CONVALESCENCE, to Young Women, Children and the Aged.

DOSE: One wine-glass after the two principal meals.

Recommended by—
Prof. BOUCHARDAT, Professor of Hygiene, Paris Faculty of Medicine.
Dr. MacNAUGHTON JONES, London, England.

"For more than thirty years St. Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie Roston Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—*Union Médicale*, May 8 and June 12, 1873.

"The 'Vin de St. Raphael' is often used for ladies nursing their own children; it is preferable to stout, which creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphaël Wine is most precious in all cases where it is necessary to give tone to the system, without effort or shock."—Dr. C. Des Barres.

Cie du VIN SAINT RAPHAEL, Valence, Drome, FRANCE.

To be obtained from all Wholesale Druggists.

Dr Hale's
VIN-SANGUIS
WINE FOR THE BLOOD

Fountain of Health

If you have a Wine License we will pay the fee.
If not, get one, we will pay license.
Send for any further particulars

You agree to display "Vin Sanguis" always.
You give us an agreed initial order.
You always keep stock

PROPRIETORS OF DR. HALE'S VIN-SANGUIS
Transcontinental Agencies Ld.
14, Southampton St., London, W.C.2

Prescriptions and Praises.

By its high therapeutic efficiency, Osmos is rapidly acquiring a national reputation as a remedy in Constipation, Biliousness, Dyspepsia, Liver and Kidney Disorders, Rheumatism, Gout, Hæmorrhoids, etc. Osmos is extensively prescribed by doctors, enthusiastically recommended by grateful patients, and well advertised by the proprietors. Chemists can therefore rely upon finding a rapid sale at a profit which makes the business well worth cultivating.

TYPICAL MEDICAL REPORTS

The medical adviser of a well-known Member of Parliament writes:—"My patient was suffering from a severe attack of pneumonia, accompanied with acute constipation. I tried a number of remedies but all failed. I then administered a dose of Osmos warmed, which produced the desired result within half-an-hour."

Another prominent physician reports that Osmos "has worked wonders with a patient suffering from chronic constipation."

Osmos
The Great British Aperient Water

Trade Terms:
22/- per doz. bottles, carriage paid.
Retail Price:
2/6 per bottle (P.A.T.A.)

OSMOS Crown Wharf, Hayes, Middlesex.

Vinum Xericum

BUTTS. 108 galls. HOGSHEADS. 54 galls. QR. CASKS. 27 galls.

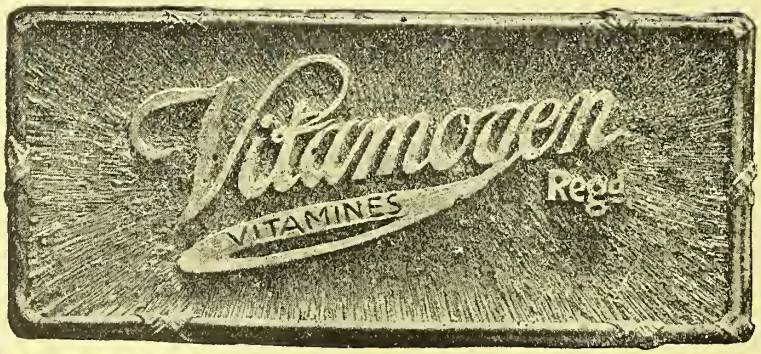
STRENGTH 17°

James V. Oldham
19 St. Dunstan's Hill, London, E.C.3.
Telephone: Avenue 3013.

VITMAR

The Medical Profession are recommending VITMAR for delicate Children and Invalids.
If you do not yet stock it your wholesaler will supply you.

Manufacturers—
CALLARD & CO., Food Specialists,
74 Regent Street, LONDON, W. 1.



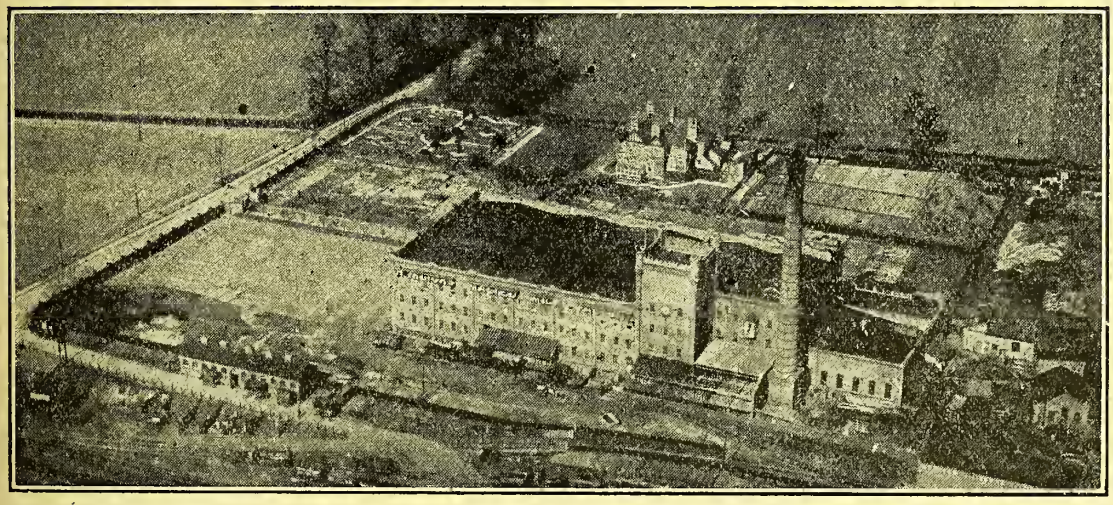
VITAMOGEN contains the essential *Vitamines* in an active and concentrated form. VITAMOGEN is in itself a food of the highest potency, rationally concentrated according to approved scientific methods. It is rich in organic, i.e. assimilable Phosphorus, and the proportion of nutritive constituents is well balanced to meet the physiological needs of the organism.
VITAMOGEN stands alone as a means of supplying the Vitamines—an entirely new food element.
VITAMOGEN is packed in two sizes, 2/9 and 5/9, obtainable from all the principal wholesale houses.
Literature on VITAMINES will be sent on application to—

24/26 HOLBORN, LONDON, E.C.1

Vitamogen LTD.

HORLICK'S MALTED MILK

THE ORIGINAL



An aerial view of the works at Slough, Buckingham, England, where all the

HORLICK'S MALTED MILK

Supplied in Great Britain is Produced.

PRICE PROTECTED - - 2/-, 3/6, 15/-

Attractive Advertising Material Free and Carriage Paid on application to

HORLICK'S MALTED MILK CO.

SLOUGH, BUCKS, ENGLAND.

(Sir James Horlick, Bart., President.)

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C. 3.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK
Lightest and Whitest, also Purest Dense
Aug. Levermore & Co., Ltd. 8-10 Gt. St. Helens, LONDON, E.C. 3.
Telegrams: "Levermore London." Telephone: Central 4613.

The Evan-Williams
Always in Great Demand.
Price List on Application.
The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.
ORIGINAL HERBAL SHAMPOO.

BEAUTY IN A BOX
Write for full particulars and trade terms of the following extensively advertised Toilet Requisites.
POWDER, SOAP
COMPLEXION AND VANISHING CREAMS
RÉCAMIER PRODUCTS CO., LTD.
4 St. James's Street, LONDON, S.W.1.

SOMETHING NEW!!!
BOTTLE TEATS
In Hygienic Germ-proof Packing.
Appreciated by trade and public alike.
Write at once for Sample and Price to—
THE LONDON RUBBER CO.
183 Aldersgate St., London, E.C. 1.

For GUARANTEED
ATOMIZERS and SPRAYS
THE DEVILBISS CO., LIMITED
WEST DRAYTON, MIDDLESEX.

CACHETS "FINOT"
(White or Coloured).
With inscriptions in any desired tint; also Plain or Embossed.
"A distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.

FRENCH, MORSTADT & DRY CLOSING CACHETS
TINTED or PRINTED

CACHET MACHINES & COMPRESSO DOSEURS
Write for Samples and Prices to
CICERO S. CLARK, *Cachet Specialist*, 12 Richmond Rd., W.2.

SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 10½d. 1/4 size, per post 1/7; 2/6 size, per post 2/9; 3/9 size, per post 4/8; 8d. size 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24/- doz.; 3/9 size, 36/- doz.
THE SHADEINE CO., 53 WESTBOURNE GROVE, LONDON, W.

FLY-GUM *IN BULK*
For Flypapers and Reels.
Before ordering elsewhere, write for sample and prices to—
RAIMES & CO. LTD.,
EBOR WORKS - - - - STOCKTON-ON-TEES.

J. W. PINDAR & CO. Druggists' Engineers.
PILL MACHINERY (Hand & Power).
Hand Pill Machines (for Chemists), Tablet Sugar Coaters (with Hot-Air Blowers), Pil' Coaters Counters with Shoot, Tincture Presses, Emulsifying and Mixing Machines, Percolators, Ointment Mills, Drug Mills, "Eternite" Ovens, Tablet Compressing Machines, &c.
Other Machinery for Manufacturing Druggists and Chemists.
Cachet Filling Apparatus for French and Moorstadt series.
Suppository and Pessary Moulds, etc.
BROCKLEY, LONDON, S.E.4. Telephone: New Cross 1065.

WHITEPHILL The Best and Cheapest White Dense and Filler
Especially suitable for Dental Creams, Powders, etc.
Prices and samples on application.
THE WHITEPHILL CO., St. Austell

ALL CHEMISTS SHOULD STOCK **ABDINE**
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.
Reduced Price List can be had on application.
DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH.

ART OF DISPENSING. (9th Edit.) 8/-, by post 8/9.
VETERINARY COUNTER PRACTICE.
7/6, by post 8/3.
CHEMIST'S DICTIONARY OF MEDICAL TERMS.
3/6, by post 3/10.
The CHEMIST & DRUGGIST, 42 Cannon Street, E.C.4

John E. Raworth & Moss
Chartered Patent Agents.
Patents, Designs and Trade Marks.
75 Victoria Street, London, S.W. 1.

ON A POSTCARD JUST PUT **"T"**
and by return will come along a sample and full particulars of the proved proposition that means more business *daily* for the enterprising chemist. It never fails!
Thos. Christy & Co., 4/12 Old Swan Lane, E.C.4.
BRINGS YOU IN A CERTAIN WEEKLY INCOME.

PYSHAN-POINTS TEA

Season—1921.

COD LIVER OIL

GUARANTEED GENUINE.

Manufacturers:

BRÖDR. AARSÆTHER A/S, Aalesund, Norway.

LARGEST MANUFACTURERS OF COD LIVER OIL IN NORWAY.

Wholesale only. In 25-gallon tin-lined barrels.

Agents: FREUDENTHEIL & CO. 21 Mincing Lane, LONDON, E.C.3.

Tel. Add.: "Freudenruf." Codes used: A B C, 4th & 5th Edit.; and Private. Tel. 12513 Central.

BRAND'S ESSENCES

OF

BEEF, MUTTON and CHICKEN

possess great nutritive and restorative powers, being immediately digested and absorbed by the stomach. Although effective stimulants in physical and mental exhaustion, they contain no wine or other deleterious admixture.

BRAND & Co., Ltd., MAYFAIR WORKS, VAUXHALL, LONDON, S.W.8

MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones: Nitshill—Pollokshaws 14 London—Avenue 5661 (3 lines).

PERRY & HOPE, Ltd.

Telegrams: "Perryope, Nitshill." "Perryope, Led, London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

Careful Mothers insist on the NESTLÉ FEEDER

The superiority of the Nestlé Feeding Bottle is so obvious that doctors are advising it, nurses are recommending it and mothers insist on having it. Nothing is good enough for their little ones but a bottle which is perfect in hygienic construction; which cannot possibly harbour dirt or disease germs and which ensures that the food is taken without undue effort or excessive air.

Nestlé's Feeding Bottle is constructed throughout on scientific principles, it is impossible for the child to detach the teat and rubber valve which automatically cling and are made from pure plantation rubber. Colic is prevented because the flow of air behind the milk is systematically regulated. The feeder, made of virgin glass, can be tilted to and will remain at any desired angle. Its capacity is 10-oz., and every part, including the box, is thoroughly sterilized before leaving the factory.

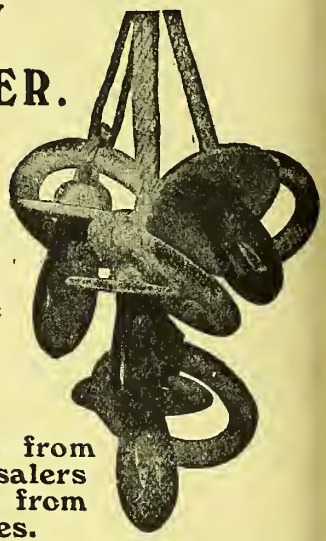
NESTLÉ Feeding Bottle

the Cheapest full-sized Feeding Bottle on the Market.

Easy to sell; brings good profit and rapid turnover. Write to-day for full details and current trade price list.

NESTLÉ'S (Advert. Dept.),
6-8 EASTCHEAP, LONDON, E.C. 3.

The "EVERSAFE" BABY PACIFIER.



Patented Everywhere.

Present rates:—

No.			
2	4d. line	**2/9**	doz
2C	6d. ,,	**3/2**	,,
2E	6d. ,,	**3/4**	,,
3	7½d. ,,	**4/8**	,,

Obtainable from all Wholesalers or direct from Patentees.

Sample Order, Three Dozen Assorted:
Send 10/6, post free.

F. SCHUTZE & CO., LTD.,
Black Bull Works, London, N.

GREAT REDUCTION

IN PRICES.

Vulcanite DOUCHE FITTINGS and Pipes.

French SHAVING Brushes
also TOOTH Brushes
TO BE CLEARED.

New Lines in
NAIL BRUSHES
DUST COMBS
POCKET COMBS

Manicure Requisites
Hygienic Rubber Goods (a specialité)
WHOLESALE ONLY.

RENÉ F. HEYMANS

9/10 DOMINGO STREET,
Tel.: 3765 City. LONDON, E.C.1.

TOMPKINS' CORNER

TOP VALUE IN

Bathing Caps

CHECK WATERPROOF, CIRCULAR, 8/- doz.

ALL-RUBBER, Fancy designs, from 10/6 doz.

ALL-RUBBER, Helmet Shape STOCKINETTE BANDS from 20/- doz.

SPONGE BAGS from 4/6 doz.

WATER WINGS from 15/- doz.

A postcard will bring you samples on approval.

SURGICAL RUBBER GOODS of all kinds.

JAMES TOMPKINS, LTD.

THE RUBBER HOUSE,

386 City Road - LONDON, E.C.1.

ESTABLISHED 44 YEARS. Phone: CITY 7640

ON P.A.T.A.

RIGOLLOT'S MUSTARD LEAVES

FOR PLASTERS.

THE ORIGINAL.

THE **ONLY** GENUINE.

7d., 1/- & 1/7 Packets

5/3, 9/-, 14/3 per Doz.

GUYOT-GUENIN & SON

67 Southwark Bridge Road

LONDON - - - - S.E. 1.

Wm. WARNE & CO. Ltd.

29 GRESHAM STREET, E.C.2.

India Rubber Manufacturers,

Surgical, Chemical, Domestic Articles, Syringes, Water Beds, etc.

BOTTLES.

I can supply BRILLIANTINES, LIMES, OVALS, VIALS, CANNONS, KALIS, SCREW JARS, MEDICAL FLATS, SAUCE BOTTLES, &c. &c. Wholesale quantities only. Your inquiries solicited.

G. VAN DER HOEK, 324/5 Bank Chambers, 329 High Holborn, LONDON, W.C.1.

"NORVIC" CRÉPE BANDAGE

(Regd)

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

"It makes life worth living."

The NORWICH CRAPE CO. (1856) Ltd. (ST. AUGUSTINE'S SILK MILLS), Norwich, Eng.

Provincial Selling Agents, **Freese & Moon, Ltd.**, 59 Bermondsey Street, London, S.E.1.

London Buyers can obtain samples & prices from **Mr. T. Eastaway**, London Representative, 7 Wool Exchange, E.C.2.

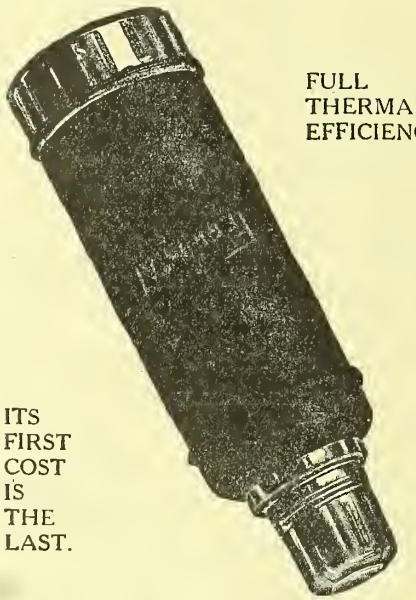
Have you seen our

UNBREAKABLE

Vacuum Bottle?

The "Stanley Ferrostat."

NO GLASS.



FULL THERMAL EFFICIENCY.

ITS FIRST COST IS THE LAST.

BEAUTIFULLY MADE of FINEST STEEL in 3 Sizes

ONE, TWO AND FOUR-PINT.

Full Particulars and Prices from Wholesale Druggists or Sole Agents—

Condrup Ltd

78 FORE STREET LONDON - E.C. 2.

DEAN'S RAG "SWIMEESY BUOYS"

are a reliable swimming device that will bring you EXTRA SALES during the SUMMER MONTHS in all districts possessing bathing facilities.
No awkward sizes to stock—no changing fashions to study.
Stock occupies little space and does not deteriorate.
No waste—No packing costs.
BRITISH MADE—in TWO STYLES—
Plain Tints (assorted).
Butterfly Wing (full colours).

PRICES JUST REDUCED

Send your Trade Card for Samples.

DEAN'S RAG BOOK CO., Ltd., Elephant & Castle, London, S.E.1

GOOD SELLING LINES, GOOD PROFITS, AND ABSOLUTE SAFETY IN STOCKING

"HOBSON'S CHOICE"

FEET PLAISTERS AND POWDERS

STOCK IS RETURNABLE AT ANY TIME, FOR ANY REASON, AND FULL PRICE REPAID.

For Prices and Samples apply to

HOBSON, TRIMBLE & CO., LTD.

Union St., and Market, LEEDS,

or your own WHOLESALE HOUSE.

EXCELSIOR CREPE BANDAGES. FAST EDGE.

EXCELSIOR CREPE BANDAGE NAME

Owing to the War the supply of Crepe Velpeau Bandages is discontinued. We, are, therefore, placing on the market a bandage of English manufacture which will be sold as

GIMBER'S EXCELSIOR

CREPE BANDAGE

TRADE MARK.

An Elastic Bandage. Containing no Indiarubber. Superseding Elastic Stockings, Webs, Bandages, and at half the cost. Three sizes, about 2, 2¾, and 3½ inches wide. **Excelsior Crepe Abdominal Binders.**—Useful after many Abdominal Operations, and for ladies after confinements. Two sizes: 8 & 11 in. wide.

CAUTION.—Beware of frandulent and useless imitations, and reject all Bandages not bearing the above Trade Mark on the Wrappers.

Wholesale of

W. GIMBER & SON, Surgical Bandages and Instrument Makers, 44 Queen's Rd., Peckham, LOND N, S.E.15.

And of all Wholesale Druggists, Chemists, Surgical Instrument Makers, &c.

Telephone: New Cross 1601. Descriptive Circular & Price List on application.

ESTABLISHED 1839.

CHEMISTS' OVERALLS

From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL -	12/6, 16/11, 21/6, 24/6
WHITE DRILL -	14/6, 17/6
BLACK DRILL -	18/6
HOLLAND DRILL -	19/6

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.

SPECIAL QUOTATIONS FOR QUANTITIES.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.

1 Commercial Road, E. 1.

Teleg.: "Durastyle, Phone, London." Phone: Av. 6650 (4 lines).

When you were Apprentice

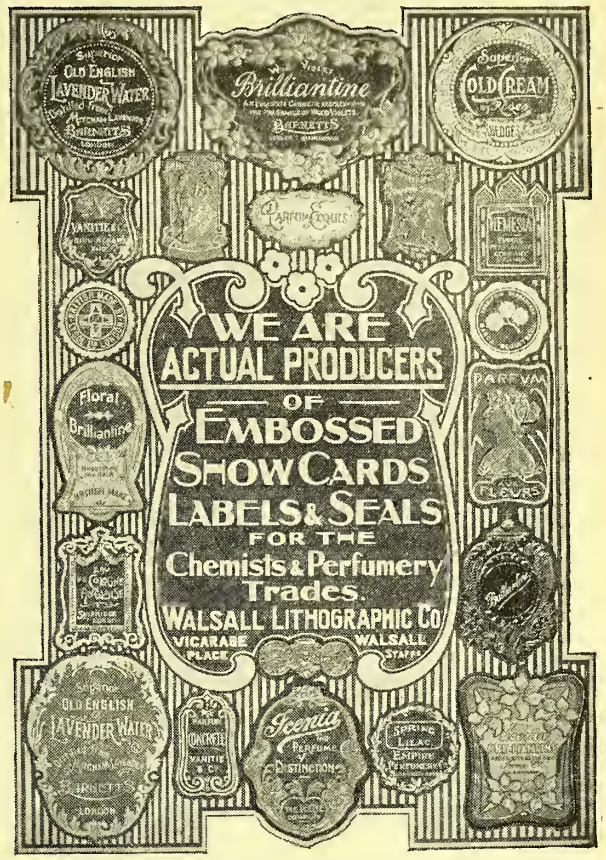
You remember the neat parcels of labels banded by Wilkinson, Pendleton, the excellent quality of paper, the pure gum, which kept every label perfect and useable right to the last one; you were proud of the goods you put up and finished off with those perfect labels.

We intend to keep on producing the best with Quality always our motto.

ESTABLISHED OVER 100 YEARS.

James F. Wilkinson

(Exors.: G. F. Berry and J. G. Driver),
Pharmacists' Printer,
Bury Street, PENDLETON,
MANCHESTER. (2)



The seven wonders of the world
include the Pyramids.
The eighth wonder is

PYRAMID CORKS

PYRAMID
TRADE MARK

Named in the same way for the same reasons: Strength; dependability; firmness in the Corks. Age, stability, genuineness in the firm that sells them.

Honest Corks for honest Chemists—that's what "Pyramids" are. Put in a trial order, or try some for nothing—which you like—only *write to-day*—

N. W. Mitchell & Sons, Ltd.
"The Cork Firm,"
Limehouse London, E. 14.

WIRE CORKSCREWS

Gilt, Nickelled, Coppered, Lacquered
for Eau de Cologne, Medicine Bottles, Ink, etc. Also

Advertising Corkscrews
With wood sleeves, nickel and celluloid, and with wood handles.

BEST QUALITY. BEST PRICES.

Samples and prices on request.
Send your samples and let me quote.

A. F. TIMSON, 6 Rue Mathilde-Courbevoie (Seine), FRANCE.

SELF-FIXING
HERMETIC
WASHABLE
BOTTLE CAPS
ARE
ELEGANT
EFFICIENT
STRONGEST
CHEAPEST
and BEST.
IMMEDIATE DELIVERY.
CARRIAGE PAID.
The VISCOSE
Development Co., Ltd.
BROMLEY :: KENT.

"POSTLIP"
(No. 633 Mill)
ENGLISH FILTER PAPERS

Manufactured in
Annually Increasing Quantities
for upwards of 50 years.

White and Grey Plain, Antique, Crinkled, and Embossed.

All sizes in Squares, Circles, and Folded Filters. Rolls made to order.

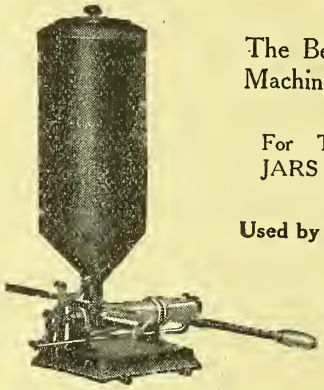
Several new Grades are now successfully replacing the best German makes.

See Report of TESTS made by the National Physical Laboratory, a copy of which will be sent on application.

Ask your Laboratory Furnisher for samples of "Postlip" Filter Papers.

EVANS, ADLARD & CO., LTD.
POSTLIP MILLS,
WINCHCOMBE, R.S.O., GLOS., ENGLAND.

INCREASE YOUR OUTPUT AND SAVE LABOUR
BY USING THE
"CENTRAC"
FILLING MACHINES



The Best and Cheapest Machines on the Market.

For TUBES, POTS, JARS and BOTTLES

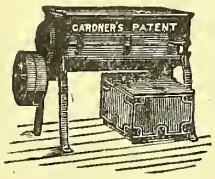
Used by all Leading Firms.

Send us your requirements.

Tubes, Jars, Pots, Filling Machine

Sole Makers—
The Banister Street Works, Ltd.
ENGINEERS,
45 High Street, HOMERTON, E.9.

GARDNER'S PATENT
"RAPID" SIFTERS & MIXERS



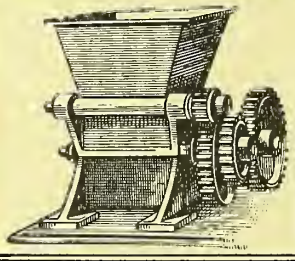
OVER 6,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER

THE GRIMSLEY MIXER FOR PILL MASSES
And complete installation for manufacture of Pills, etc.



HAND OR POWER.
EARLY DELIVERY.

GRIMSLEY & CO. (LEICESTER), LTD.
St. George's Engineering Works, Queen Street, LEICESTER (1)

HAVE IT ON 14 DAYS' TRIAL!

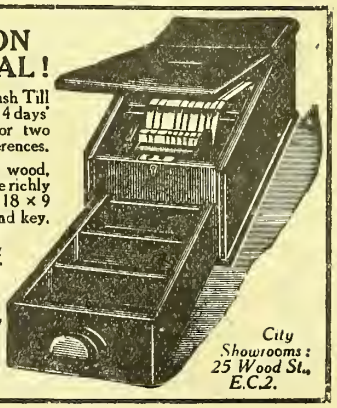
The "Improved Dudley" Cash Till No.CD/3304 will be sent on 14 days' trial on receipt of Cash or two wholesale London trade references.

Made from well-seasoned wood, stained and polished to imitate richly coloured mahogany. Size 18 × 9 × 7¼. Lid fitted with lock and key. Recording paper 3⅞" wide. Automatically rings warning bell every time cash drawer is opened.

85/- each.

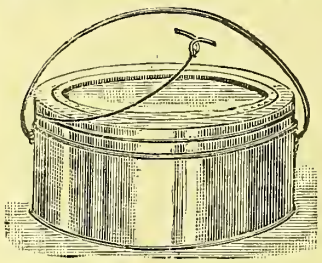
"Improved Dudley" Till Coils 5/- doz.

DUDLEY & COMPANY, HOLLOWAY, LONDON, N.7.



City Showrooms: 25 Wood St., E.C.2.

The Northern Tin Canister Works,
6 Mersey Street,
LIVERPOOL.

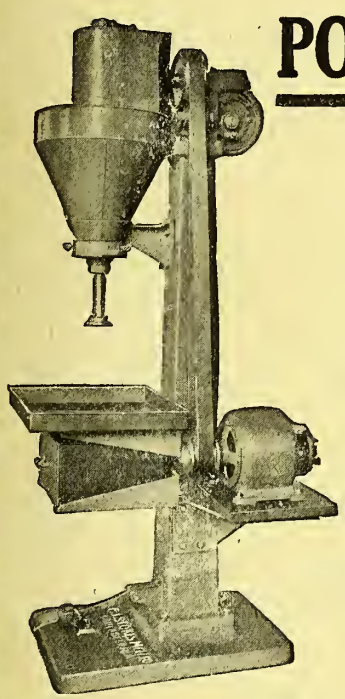


Patent Air Tight Slip-lid Tin For Export.

Manufacturers for the Chemical Trade.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Prompt Deliveries Assured.



Immediate delivery, without motor.

POWDER FILLING MACHINE

"SOMEONE IN YOUR VICINITY" is going to buy a Stokes' Powder Filling Machine; why not let that someone be you?

This Machine fills powdered material into any style of container at the average rate of 25 packages per minute.

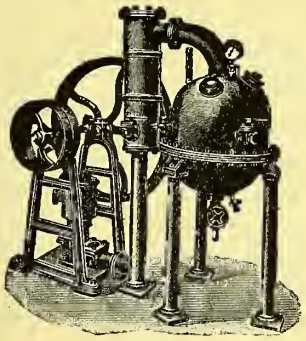
LOWER PRICES DO NOT MEAN LOWER PROFITS IF YOUR EQUIPMENT IS RIGHT.

THOMPSON & CAPPER, LTD.

Sole Agents : F. J. Stokes Machine Co.

Manesty Buildings, College Lane, LIVERPOOL.

Telephone: Royal 2060. Telegrams: "Sanitas Liverpool."

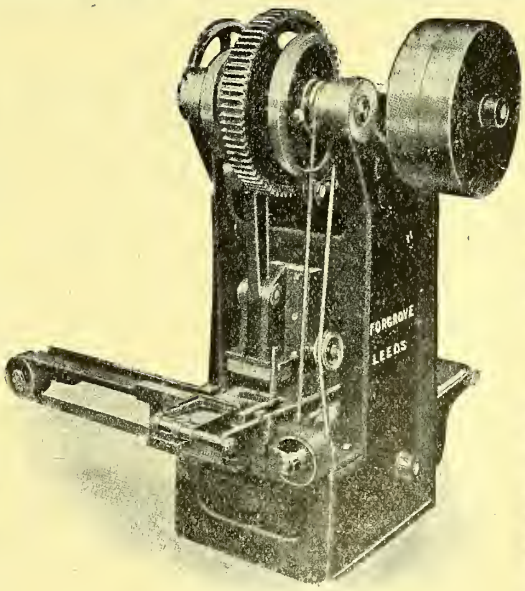


STILLS, VACUUM STILLS, VACUUM PANS.
EVAPORATING PANS.
AUTOCLAVES AND DIGESTORS.
SPECIAL APPARATUS AND PLANT FOR MANUFACTURING CHEMISTS.

SOLE MAKERS of BENNETT'S PATENT 'IDEAL' ANNULAR FILM CONDENSERS.
SHEARS' PATENT MULSER.

BENNETT, SONS & SHEARS, LTD.

ENGINEERS & COPPERSMITHS,
43 & 44 Shoe Lane, LONDON, E.C.4.



SOAP STAMPING MACHINES.
Output, 50 pieces per minute.

THE FORGROVE MACHINERY CO., LTD.

DEWSBURY ROAD, LEEDS.

The **W** *Brand of Hand-Moulded*

BOTTLES

AND

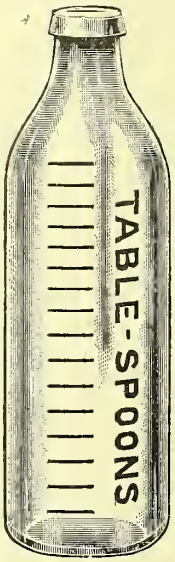
MEDICAL GLASSWARE

Free from dangerous "frosted glass."

.....

Finest Quality Dispensing Bottles, Poisons, Cheltenhams, Chest Squares, Shop Rounds, and Bottles for Proprietary articles, in various colours. Feeding Bottles and Sterilizing Milk Bottles in Heat - Resistant Glass.

.....



STERILIZING MILK BOTTLE.

DISPENSING BOTTLE.

Wholesale only—

WOOD BROS. GLASS CO. LIMITED,

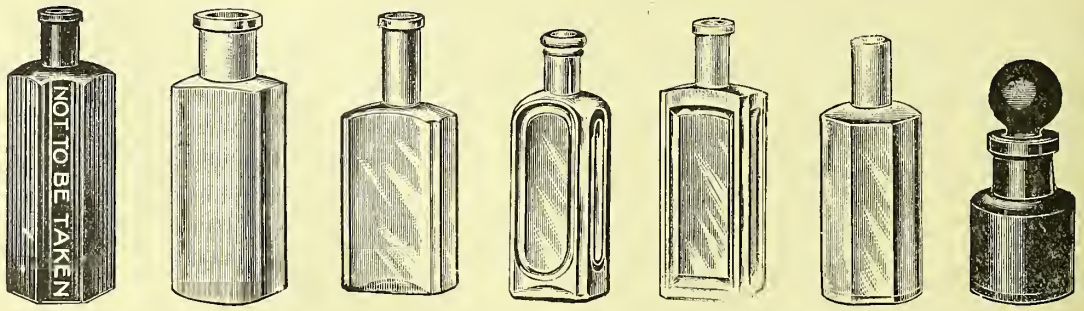
(*Established 1828*) BARNSLEY, ENGLAND.

Ludford & Co.

Brooksby's Walk - - HOMERTON, LONDON, E.9.

GLASS BOTTLES

MADE EXCLUSIVELY BY BRITISH LABOUR.



ALL KINDS, FOR ALL PURPOSES, IN ALL COLOURS.
PLAIN OR STOPPERED.

Specialities: SCREW TABLETS & AMBER BOTTLES.

Telephone: Dalston 587. Telegrams: "Ludfordia, Hack, London."

F. OWENS & CO., Ltd.

Glass Bottle Manufacturers & Merchants.

(*Wholesale only*).

	s.	d.
500 gross ½-oz. rd. Blue Vials -	7	0
300 gross 1-oz. greenish Limes -	7	0
100 gross 2-oz. w. flint Limes - -	9	0
100 gross 4-oz. „ „ „ - -	11	6
100 gross 2-oz. „ „ Med. Flats -	11	6
120 gross 1-oz. „ „ Vials - - -	7	6

Per gross ex Warehouse.

6 BARGAINS

TEMPLE CHAMBERS,
LONDON, E.C.4.

Telegrams - - - "Owenitical London."

LOVATT & LOVATT, Ltd.

The Pottery, Langley Mill, near NOTTINGHAM

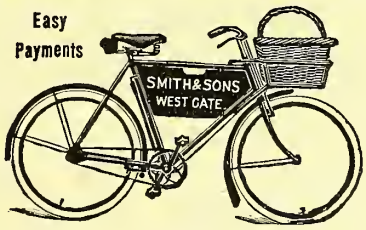
Makers of

STONEWARE BOTTLES and JARS

London Office:
26-27 Hatton Garden,
E.C. 1.

The finest investment you can have, for the advertisement is worth the cost of the bicycle.

Easy Payments



DUNLOP TYRES

TWO STRONG BRAKES

WHEELS 26 × 1¾

WRITE FOR LIST

MOHAWK CYCLE CO., LTD.,
825 ALEXANDRA ROAD, HORNSEY, N.

GLASS BOTTLES

WHOLESALE and EXPORT

Medical Flats { Best Quality, Quinine Tinted. / Pale Tinted, 2nd Quality.
Panels „ Pale Green.
Vials, White Flint. All sizes.
Poisons. Actinic Green, Blue or Amber.

SAMPLES AND PRICES UPON APPLICATION TO—

FARROW & CO., 87 Borough High Street, LONDON, S.E. 1.

Telephone—HOP 3222.

It saves the udder

and cures caked bag if you apply

TIPPERS . . . . . .

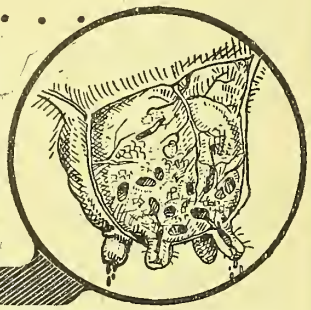
COWS . . . . . .

RELIEF . . . .

at the outset.
Also cures sore teats & relieves garget.

8/9 16/9 25/6 per tin.

B.C.TIPPER & SON.
BIRMINGHAM.



WHOLESALE TERMS.

Selling prices as above.
20 % discount off Invoice.
Prices, **8/9, 16/9, 25/6**

Carriage paid on orders 40/- net. Assorted sizes.
Postage charged on small lots.

DISINFECTANTS

OF ALL KINDS.

Disinfecting Fluid,
Co-efficient Disinfecting Fluids,
Carbolic Acid (LIQUID and CRYSTALS),
Cresylic Acid,
Naphthaline,
Lysol, and
Disinfecting Powders.

The "KILLGERM" Co. Ltd.
CLECKHEATON.

Telegrams: "Disinfect Cleckheaton."
Telephone: 237 Cleckheaton.
Codes: ABC and Bentley's.

"RODINE"

REGD Trade Mark

RAPID RAT REMOVER

"Constant Repeat Orders"
"Great Satisfaction to Users"

Mr. C. F. Loggin, Chemist, Stratford-on-Avon, writes: 31/12/20. "'Rodine' is being rapidly recognised as *the* Rat Exterminator. Note increase of sales."

March 5th, 1921: "Kindly send at once 'Rodine' as previous order, I have only a few left. 'Rodine' is now going well, constant repeat orders, great satisfaction to users."

Now is the time to sell "Rodine." Price protected. Nearly **100%** Profit to Agents.

Write for the Agency in your Town.

HARLEY, MANUFACTURING CHEMIST
PERTH — SCOTLAND

New Season Prices for FLYCATCHERS

WRITE TO-DAY for quotations for

'FLYSAC' } Suspensory
'VIPER' } Flycatchers

'BIG BAT' 8" × 14½" } Sealed Flat Sticky
'FALCON' 9" × 7½" } Flypapers

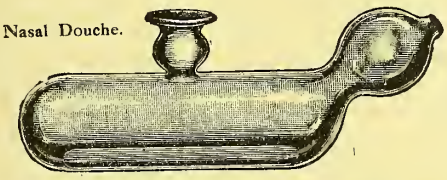
Sole Manufacturers—

KAY BROTHERS LTD.
STOCKPORT

GLASSWARE OF EVERY DESCRIPTION and for ALL PURPOSES.

WE HOLD STOCKS in the Provinces ready for immediate delivery, and in our North and West London depots.

Nasal Douche.



Two-ended Feeder.

Tubes of all sizes, Test Tubes, Douche Linings, Burettes, Separating Funnels, and many other lines in Chemical and Laboratory Glassware.

Wholesale ONLY. **JULES LANG & SON** No RETAIL Firms supplied.

Charlton Works · Charlton Place · Islington · LONDON, N.1.

Telephones: North 2770-2 (3 lines).
Telegrams: "Assorted, Phone, London."

Codes: A B C, 5th Edition. Scott's 10th Edition (1906). Bentley's Complete Phrase Code.

WE BUY

Sprinklers
Glycerine
Tragacanth
White Flint Bottles
White Bloomless Mineral Oil

Any Quantity. Send Samples. Cash Prices.

W. BORTHWICK

STANIFORTH PLACE, HULL.

Tel. Address: "Borthwick Hull." Phone: 4054Y Central

VERRERIES de SCAILMONT

MANAGE (Belgium).

GLASSWARE

PLAIN, CUT, ETCHED, BADGED, ENGRAVED, MOULDED, &c.

SPECIALITY:

MEDICAL and PERFUME BOTTLES

BEER, WHISKY & SAUCE BOTTLES
TABLE SERVICES

Alcohol for Industrial Purposes
Duty=Free Spirit.

The Industrial Spirit Supply Company, Limited.
Agents: HONEYWILL BROS., 79 MARK LANE, LONDON, E.C.3.

Florozon Sprayers

THE MOST MODERN, ECONOMICAL, AND EFFECTIVE SPRAYER.
The essence used diffuses a spray just like smoke, and has the most delicious odour, at the same time eliminating and destroying infection. Pamphlet and Showcards on application to the Sole Proprietors—
HERTZ & CO., 9 Mincing Lane, E.C.3
Established 1878.
Phone: 10607 Central. Telegrams: "Freshness London." [3]

The LONDON COLLEGE of CHEMISTRY, PHARMACY AND BOTANY.

Principals:
Henry Wootton, B.Sc. (Lond.).
Chas. W. Gosling, Ph.C.

Entries can now be received for the following MINOR Courses.
APL. 1921.—Three Months' Revision.
OCT. 1921.—Six Months' Course.
OCT. 1921.—Nine Months' Course.

Particulars from the Secretary,
361 Clapham Rd., S.W.9.

WESTMINSTER COLLEGE OF PHARMACY.

WILLS' UNIVERSAL POSTAL SYSTEM

Fee (British Isles) £1-1-0.
For Qualifying, Preliminary and Apothecaries Hall Examination.

Full particulars from The Principals,
190 CLAPHAM RD., S.W.9.

BOXES

For the Chemist, Druggist and Sundriesman.

Send your Sizes or Samples, and we will quote you by return. No order too small. No order too large. We *KNOW* your wants and will fit you.

J. DAVIDSON,
98 Shepherdess Walk, City Road, London, N.1.
Telephone North 3747.

BATTLE'S
WEED KILLERS
LIQUID & POWDER.

PACKED UNDER CHEMIST'S OWN NAME

Write for Particulars.
BATTLE, MALTBY & BOWER,
Victoria Chemical Works, LINCOLN.

Your Opportunity to QUALIFY in OPTICS

EXPERT Tuition by Correspondence for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.) or the British Optical Association (D.B.O.A.) *Write for full particulars.*

C. A. SCURR, M.P.S., F.S.M.C. —F.I.O., Etc.—
64 HIGH STREET, BARNET.
(Please note Change of Address.)

Collapsible Tubes

Nothing short of the Best suffices in

BETTS' SERVICE,
BETTS' QUALITY,
BETTS' FINISH,
BETTS' PACKING,
or BETTS' PRICES.

BETTS, IN FACT, SPELLS BEST.

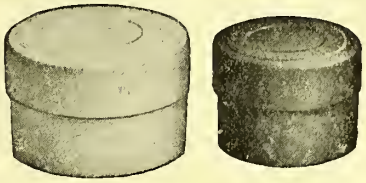
WRITE TO-DAY TO—

Betts & Co. Ld.
1 Wharf Rd., City Rd.
London, N.1.

Established 1857.

5

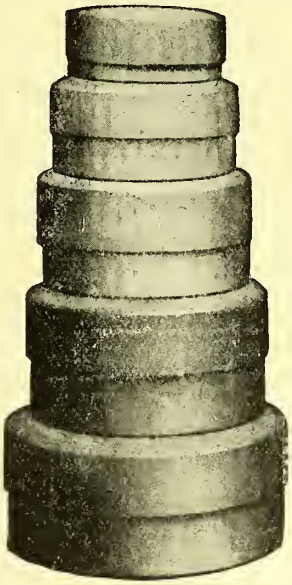
"Corruganza" SEAMLESS PILL BOXES.



THE phenomenal success of the "Corruganza" Seamless Ointment Boxes has induced us to offer a series of Pill Boxes made on the same **One-Piece** principle. Stocked in usual sizes.

They cost a little more than the Ring and Disc style, but THEY HOLD THE GOODS, and do not fall to pieces in handling or in the pocket.

"Corruganza" SEAMLESS OINTMENT BOXES



Have replaced the old willow boxes.

The bottoms cannot fall out.

Greaseproof.

Manufacturers of all kinds of Cardboard Boxes, Folding Packets, Tubes and Canisters, Fibre-Board Packing Cases, Corrugated Paper, &c.

Wholesale or Export only from

HUGH STEVENSON & SONS,
LIMITED.
Summerstown Works, London, S.W.17
And at Manchester, Birmingham, Leith, Perth & Glasgow.

Kindly mention this Journal when replying to the advertisement.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calle Salta 264, Buenos Aires.

"CHRISTIAN HERALD"

ONE AGAINST SEVERAL.

To the Advertisement Manager, "Christian Herald."

Dear Sir,—You would perhaps like to know of our experience in advertising **Japlin's Anti-Rheumatic Soap** in the *Christian Herald* with a 3-in. advertisement.

Compared with a small advt. in all Sunday weeklies (excepting three), to our surprise the result from all these was not nearly equal to the one advertisement in the *Christian Herald* at half the cost.

Yours faithfully,
JAPLIN'S ANTI-RHEUMATIC SOAP, LTD.

Over £3,000 for £26·10·0

A Leicester Boot and Shoe Manufacturer writes on January 1, 1921:

Over 6,000 Satisfied Customers from Readers of the "Christian Herald."

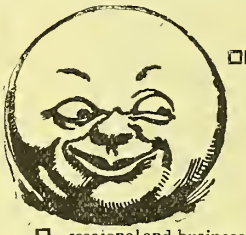
"The total business done from our original advertisements in February and March 1920, runs into over £3,000 to date. The original advts. cost £26/10/0."

It pays to advertise in the "Christian Herald."

The circulation is the largest of any religious newspaper in the world, and orders for goods advertised are received from all quarters—from the Shetland Isles to New Zealand.

For Specimen Copy and Rate Card, apply to—

The Advertisement Manager,
6 TUDOR STREET, LONDON, E.C.4.



BOOKS FOR PHARMACISTS

Send us a postal card and we will send you a 32-page catalogue of professional and business books for pharmacists, and a copy of

"THE SPATULA"

an illustrated monthly magazine for druggists, full of American snap and enterprise.

THE SPATULA PUBLISHING CO.
BOSTON 14, MASS., U.S.A.

TINS Plain and Decorated, Airtight, Lever & Hinged-Lid Containers, Japanned Medical Cabinets, Toilet Utensils.

G. H. WILLIAMSON & SON'S LTD.

Providence Works, Worcester. Linacre Lane, Bootle.

A RECORD PHOTOGRAPHIC YEAR!

YOU MUST HAVE NOTICED HOW ALMOST EVERYONE NOWADAYS HAS GOT THE "CAMERA HABIT". EVERYTHING POINTS TO THIS BEING A RECORD YEAR FOR PHOTOGRAPHY. NATURALLY THERE IS A LARGE AMOUNT OF BUSINESS TO BE DONE. ARE YOU GETTING YOUR SHARE? WE TAKE ALL THE WORRY FROM YOU. NO SPOILT WORK. EXCELLENT RESULTS. EXTRA SPEEDY SERVICE. YOUR CUSTOMERS WILL NOT BE SATISFIED WITH INDIFFERENT RESULTS. OUR SERVICE ENSURES THE BEST POSSIBLE RESULT - ALWAYS -

A TRIAL ORDER WILL CONVINCE YOU. WRITE FOR SPECIAL TRADE TERMS NOW.

AN UP-TO-DATE DEVELOPING AND PRINTING SERVICE WILL ADD TO YOUR PROFITS AND BRING INCREASED BUSINESS

EGERTONS LTD.

SPECIMENS AND SHOWCARDS FREE.

PRITCHARD STREET, OXFORD ROAD, MANCHESTER

SERVICE PHOTOGRAPHERS.

FORWARD YOUR FILMS TO FOX

Business is brisk with the Fox Foto Service despite the trade slump. *Repeat orders* for Film Developing, Printing and Enlarging (the surest indication of satisfaction) are reaching us from all quarters, and our connection with Chemists is growing rapidly week by week.

Are *YOU* on our list? If not, a p.c. for trade terms will be appreciated.

FOX FOTO SERVICE, 8 Castle St., SHEFFIELD

DEVELOPING

AND PRINTING ROLL FILMS.

Join the live wire service, All work returned same day.

PRICE RIGHT—QUALITY UNEQUALLED.

Write for List "J" to-day.

WALLACE HEATON LTD.

CHANGE ALLEY, SHEFFIELD.

---

24 HOURS' SERVICE

FILMS and PRINTS

Despatched the same day if received by first post.

All kinds of ENLARGING and NOVELTIES.

Catalogue on application with Trade Card.

"WHITES" (J. & P. White & Co.)

118 Great Ducie Street, MANCHESTER.

Phone: 4827 Central. Telegraphic Address: "Studio."

EXHIBITION STANDS

Designed and Erected.

SHOWCASES ON HIRE.

Send for Estimates to

H. MILLS & SONS

THE PREMIER

CHEMISTS' SHOP FITTERS

Shop Front Builders.

163-5 OLD ST., LONDON, E.C.

℄ Pharmacies Designed and Fitted at Lowest Prices consistent with high-class work.

Send your enquiries. Personal supervision.

GOOD PROFITS SELLS AT SIGHT QUICK RETURNS

SENIER'S

ELECTRIC-KLEEN (Trade Mark Registered)

CLOTH BALLS

SPECIAL OFFER.

13 to the dozen, for Window Show, on all orders received during

APRIL ONLY.

	Price per gross.	P.A.T.A. Retail.
Large, White and all stock colours, for shoes ...	70/- ...	9d.
Small, White only	48/- ...	6d.

Carriage paid on 6 doz. orders.
Handsome Showcards Free.

SENIER'S STRAW HAT CLEANER.

Packed in Outers of 6 dozen. 13/6 per gross. Best and Cheapest on the Market.

Orders executed in Rotation. 2½% Cash with order.

Post orders at once— **ALFRED SENIER & CO., 195 Seven Sisters Road, LONDON, N. 4.**

Actual Size.

FACILE PRINCEPS

In
QUALITY
STYLE
and
PRICE

5/- per doz. (3 doz. at 4/9)

British Made Throughout

This leading Manicure Line is Exclusively made by

SOLPORT BROTHERS, LTD.,
184-190 GOSWELL ROAD, E.C. 1.

And is obtainable from all Wholesale Chemists and Hairdressers' Sundriesmen.

BIDWELLS

HAIR BRUSHES

£12 PARCELS

Fancy Wood
NAIL BRUSHES
£5 PARCELS.

Factories: AXMINSTER, DEVON.

Photographic Supplies.

STUDY THE "SNAPPER"

THE amateur user of a hand camera can be a good customer to you, if you study his or her requirements.

Not only for roll films, but also for paper on which to print from the negatives, there is business to be done if you stock the right goods.

The motto is "Simplicity." In this connection you cannot do better than

recommend "RAJAR"

"AUTONA"

SELF-TONING PAPER.

Printing—Fixing—Washing—those are the only operations needed to make perfect pictures; all done without a dark room, and with a minimum of trouble.

Attractively packed, and covered by our GUARANTEE, they are a safe line to carry. We shall be pleased to send details and quote terms.

RAJAR Company
Manufacturers of
FILMS, PLATES & PAPERS
10, MOBBERLEY, in CHESHIRE

Telegraphic Address: "Cresswell, Westcent, London." **WORLD'S HEADQUARTERS FOR** Telephone: No. 1432 Holborn.

SPONGES

INTERNATIONAL SPONGE IMPORTERS, LIMITED.

CRESSWELL BROTHERS

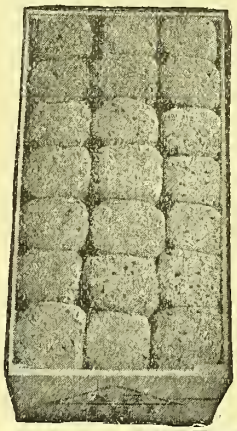
Sponge Importers, Exporters and Merchants, and Chamois Leather Dressers,

18 & 19 RED LION SQUARE, New Warehouses and Steam Bleacheries, 45½ EAGLE STREET, [BRANCH, **LONDON, W.C.**

BEST HOUSE FOR SPONGES

Buyers are invited to call to Inspect our Magnificent Stocks and make their own Selections. Lowest Market Prices. Absolutely Best Values. The following abridged List will serve as a guide to Buyers when writing.

UNBLEACHED MEDITERRANEAN SPONGES in Original Cases.



HONEYCOMB.

Extra Choice.
The Pick of all the Fisheries.
FINEST TEXTURE and SHAPE.

Pieces in Case.		Average Price per Piece.
300	Toilet	at 9d.
250	,,	,, 1/-
200	,,	,, 1/6
160	,,	,, 2/-
140	,,	,, 2/6
120	,,	,, 3/-
100	,,	,, 3/6
90	Medium Bath	4/6
80	,,	,, 5/6
72	,,	,, 6/6
60	,,	,, 7/6
45	Large Bath	,, 8/6
30	,,	,, 10/6

HONEYCOMB.

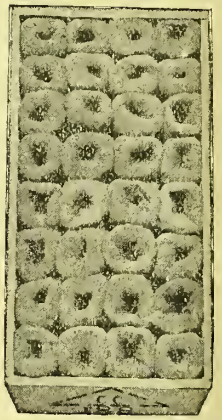
Toilet & Bath
Good 2nd Quality.

Pieces in Case.		Av'ge Price per Piece.
270	at	6d.
180	,,	9d.
170	,,	1/-
160	,,	1/6
140	,,	2/-
120	,,	2/6
110	,,	3/-
90	,,	3/6
80	,,	4/-
75	,,	4/6
70	,,	5/-
65	,,	5/6
60	,,	6/6

FINE TURKEY SOLIDS.

SELECTED SHAPES.
1st Quality.

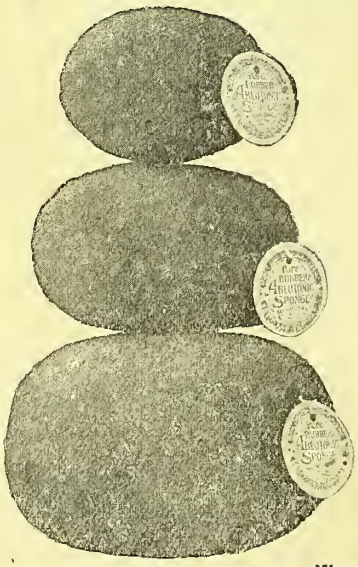
Pieces in Case.		Average Price per Piece.
Nursery	200	at 1/-
Toilet	150	,, 1/6
,,	100	,, 1/9
,,	100	,, 2/-
,,	80	,, 2/6
Bath	50	,, 3/-
,,	36	,, 4/-
,,	24	,, 5/-



IMPORTANT NOTICE. THE CONTENTS OF THE ABOVE CASES WILL BE PRESS-PACKED AND SENT POST FREE TO COLONIAL AND FOREIGN BUYERS WITHIN THE RADIUS OF PARCELS POST.

LOOSE GOODS DEPARTMENT. **Sponges in Small Packages.** Fine Turkey. Fine Egyptian and Honeycomb. In 1st, 2nd & 3rd Qualities. Bleached or Unbleached (state which in ordering). On Strings of 1 dozen pieces, or loose in Bags. At per dozen: 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s., 30s., 36s., 42s., 48s., 54s., 60s., 66s., 72s. Bleached Cuban. At per String or Dozen. Wool, Grass, Yellow and Fine. 1s., 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s.

NEW VELVET HONEYCOMB. Soft, durable, and large for money. *Suitable for Toilet and Bath purposes.*
PRICES—Cut Shapes ... ... 3s., 4s. 6s., 9s., 12s., 15s., 18s., 21s., 24s. per dozen.
,, Natural Shapes 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s., 30s., 33s., 36s. ,,
Strongly recommended where an inexpensive Toilet & Bath Sponge is required.



The Best and most Saleable Rubber Sponge on the Market.

ABLUTONIC RUBBER SPONGE

The nearest approach to the true Fine Turkey Sponge yet produced.

A VERITABLE TRIUMPH OF BRITISH MANUFACTURE.

Very Soft, Durable and Absorbent.

Supplied in OVAL and ROUND SHAPES.

	Nos. 01	1	2	3	4	5	6	
Prices:—OVAL SHAPES	8/-	10/6	15/-	22/-	30/-	39/-	50/-	doz.

	Nos. 1 R	2 R	3 R	4 R	5 R	6 R	
,, ROUND SHAPES	13/6	18/6	27/-	39/-	50/-	60/-	doz,

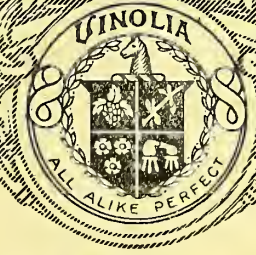
Send for Samples.

LOOFAHS (Vegetable Sponge). In original compressed bales, as imported from Japan.

Size 8" by 10"	about 5,000	pieces in Bale		Size 14" by 16"	about 2,500	pieces in Bale	
,, 10" ,, 12"	,, 4,500	,,	,,	,, 16" ,, 18"	,, 1,800	,,	,,
,, 12" ,, 14"	,, 3,500	,,	,,	18" and upwards	1,200	,,	,,

We will send lowest prices on application.

Prices for Loofahs swollen out & ready for sale, at per gross **30/- 36/- 42/- 48/- 60/- 72/-**



VINOLIA *Solidified Glycerine*

THIS new solidified form of Glycerine is proving very popular with the public. It is a splendid remedy for all roughness of the skin and chapped hands, caused by raw winds and rough weather.

Its handy form enables the soothing and healing qualities of glycerine to be applied without trouble. Its regular use keeps the hands soft, smooth, and white, and the skin in good condition. It is packed in dainty silver-metal tubes, specially convenient for vanity bag or waistcoat pocket.

In attractive Display Boxes for Counter.

YIELDS AN EXCELLENT PROFIT AND SELLS AT SIGHT.

Retail Prices $7\frac{1}{2}$D. & 1/- Per Tube.

R V 474—29 T

VINOLIA COMPANY LIMITED, LONDON.
Offices and Works; Bebington, Cheshire.

Telegrams: "Aybelim, Finsquare, London."

ARTHUR BERTON, Ltd.

Telephones: Clerkenwell 1347-8-9.

MANUFACTURERS

SHOWROOMS AND WAREHOUSES } **15 & 17 WORSHIP ST., LONDON, E.C. 2.**

MANCHESTER AND **GLASGOW**

77 LOWER CHATHAM ST. 11 MILLER ST.

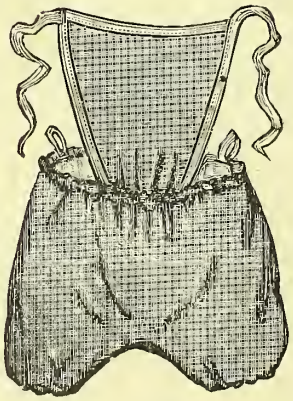
WE WOULD APPRECIATE A VISIT TO OUR

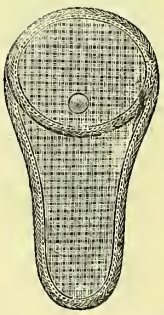
SHOWROOMS

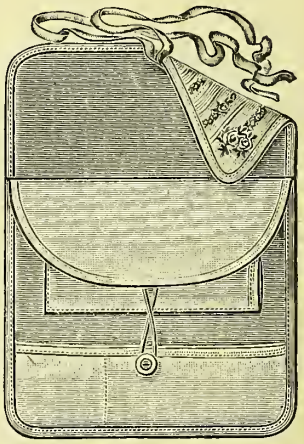
TO VIEW OUR

LATEST PRODUCTIONS

YOUR ENQUIRIES SOLICITED.







THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

APRIL 23, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

PARK LANE (near).—Good-class Retail and Dispensing Business situate in the centre of good residential locality; lock-up shop, well fitted and fully stocked; net income between £500 and £600 a year; price to be arranged equitably.

LONDON, E.C.—Old-established Business, capitally situate in one of the leading thoroughfares of the City; returns upwards of £2,000 per annum; *net profit* £600; lock-up shop; held on lease; investigation invited; price about £1,250.

VICTORIA STATION (within easy distance of).—Lock-up shop; returns, under manager, about £2,000 per annum; moderate rental; to effect a speedy transfer, vendor is willing to consider any reasonable offer.

EAST COAST.—Old-established Business, situate in close proximity to Railway Station; returns upwards of £2,400; good opening for modern trading; comfortable residence; held on lease; price about £2,000.

SCARBOROUGH.—Cash Retail Business; returns £3,000 per annum; *gross profit one-third*; inclusive rent £120 ; owing to the vendor's illness a prompt sale is necessary; simply the valuation of stock and fixtures.

L. & N.W. MAIN LINE (large manufacturing town).—Good-money Business, situate in the centre of town; returns £3,000; *net profit about* £750; price £2,500.

WORCESTERSHIRE.—Well-established Business, situate in town; returns about £1,300; *profit (net)* 25%; vendor estimates the value of stock and fixtures at £900; there is a comfortable residence, with fruit garden and lawn; the premises may be purchased if desired; price for Business £900.

8.—HOME COUNTY.—Good-class Retail and Dispensing Business, situate in a favourite residential town within easy distance of London; returns, under management, about £3,600 per annum, at good prices; well-appointed shop, fully stocked; the Business offers scope for extension under personal supervision.

9.—LIVERPOOL (about 25 miles from).—Old-established Business, well situate in good market town; returns, present rate, about £2,000 per annum; comfortable residence; nice garden; healthy district; price £1,000 cash.

10.—HANTS (large town).—Cash Retail Business, including Postal trade and Dental Practice; returns upwards of £12,000, at good prices.

11.—CHESHIRE.—Cash Retail Business; established upwards of 50 years; returns last year between £3,000 and £4,000; gross profit £1,300; well-fitted shop, fully stocked; seven-roomed house; private entrance; rent £40; held on lease; price £2,150.

12.—NORTH STAFFS.—Modern Cash Retail, with N.H.I. Dispensing; returns upwards of £3,000 yearly; moderate rental; new lease will be granted; price £1,250 cash.

13.—LEEDS.—Middle-class Retail and Dispensing Business; good position; returns upwards of £1,000; scope for extension; comfortable residence; price to be agreed equitably.

14.—LONDON, S.W.—For immediate disposal, a Wholesale Business in Toilet Preparations, showing a 50% *profit on the turnover*; well-appointed premises; held on lease; valuation terms entertained.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES WANTED.

for 50 words or less; 6d. for every additional 10 words or less, prepaid.

LANCASHIRE COAST OR NORTH MIDLANDS.—Good Retail and Dispensing Business required; turnover not less than £2,000 to £3,000; or Partnership in a larger business, with view to succession. Reply, in confidence, "Energetic" (76/38), Office of this Paper.

PHARMACIST desires purchase of Chemist's Business or Drug Store, neglected, Country Business or central position of Town, or partnership with qualified or unqualified, London South, or Coast; must have scope for increase. Particulars, in confidence, "Rhei" (78/17), Office of this Paper.

PHARMACIST desires to purchase a genuine Cash Business; turnover about £1,500 per annum; London or London preferred; must be plenty of scope for increase; in reply give full particulars, which will be treated in strictest confidence. Apply "Pharmakon" (78/35), Office of this Paper.

WANTED, small Cash Business in Yorks; living accommodation preferred; neglected business no drawback if scope for increase. Apply 77/24, Office of this Paper.

WANTED, a genuine, old-established Family Dispensing, Prescribing, Photographic Business, with or without Agricultural and Veterinary connection; turnover about £4,000; good shop and garden essential, or one procurable, freehold if possible, with option of purchasing if desired, in Surrey, Kent, or Wiltshire, but South Wales and Midlands objected to. Mumford, 3 Singleton Avenue, Birkenhead.

WANTED, a Chemist Business in good position in the West-End of London; must be in main thoroughfare; would consider taking present owner in as Manager. Write, giving full particulars, to 36/67, Office of this Paper.

WANTED, a small Chemist's Business or Drug Stores, in Midlands or Liverpool district, with living accommodation preferred. Particulars, in confidence, to B. Pearce, 10 Warwick Road, Sparkhill, Birmingham.

WANTED, Retail Cash Business in busy thoroughfare in good-class neighbourhood; London or district; neglected business not objected to; cash available; references given if required. Please reply in strict confidence, giving particulars *re* locality, turnover, expenses, lease, and accommodation, etc., to Mackeith Bryant, 14 Lichfield Road, Kew Gardens, W.

WANTED, genuine good-class Retail and Dispensing Business, with scope for Photography; London or South Coast; turnover about £4,000 or so; replies in strict confidence; prompt cash deal. Farmar, 5 St. Margaret's Place, Brighton.

WANTED, Business, taking £4,000 to £5,000 per annum; main road London or South Coast town; quick cash trade; must be well fitted and with good window space; immediate cash for suitable business. Replies in confidence to P.C.B. 79/11, Office of this Paper.

WANTED, by advertiser, who is disengaged, with cash ready, good-class Business, either in healthy country district, South of England, or coast watering place, with turnover from £2,000 to £3,000 annually; banker's and Wholesale references given; no agents. "Purchaser" (79/24), Office of this Paper.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

1.—EASTERN COUNTY.—Good medium-class cash retail, with valuable proprietaries; in best position, market town; returns £5,000; books properly kept and audited; very heavily stocked; good house attached; price £3,500; only cash buyers entertained; references required.

2.—HAMPSHIRE.—Very profitable cash retail and prescribing, with N.H.I. and own specialities. Returns about £900; plenty of scope; rent £30; comfortable five-roomed house, garden, etc.; good position; price £550.

3.—VICTORIA STATION (near).—Very profitable cash retail, in good position. Present returns £35 a week under manager; could easily do £50; rent covered by let-off; no living accommodation available at present. Well fitted shop; good stock. Price £1,450, including leasehold.

4.—LONDON, W.—Well-established cash retail business in splendid position. Returns about £4,500; net profit fully £1,000; books properly kept and audited; long valuable lease at low rental; house attached. Price, £3,500. References required.

ESTABLISHED 1870.

The Association of Manufacturing Chemists

— LIMITED —

Head Offices —26/28 Kimberley House, Holborn Viaduct, London, E.C.1

(and at 2 Bixteth Street, Liverpool).

PHONE: CITY 6942.

Having successfully negotiated the sale of two Wholesale and two Retail Chemists' Businesses during the past two weeks, we shall be glad to hear from intending vendors who desire to be put into communication with bona-fide purchasers. We have a large register of genuine buyers, with capital from £1,000 to £3,000 or more, and can guarantee prompt and satisfactory sales.

Our terms are reasonable, and we make no charge whatever unless a sale is effected through our agency.

We have the following Businesses for Sale:

1.—CORNISH COAST.—Good-class Retail Dispensing and Photographic Business; returns £40 per week; very low rent and nicely fitted shop; long lease; good house accommodation; offers invited.

2.—NEAR LUDGATE CIRCUS.—Good-class Cash Business; returns £57 per week, at excellent profits; rent £80 per annum; established 30 years, and in present hands 6 years; lock-up shop; good reasons for disposal; price £2,000, or offer.

3.—KENNINGTON.—Old-established Retail and Dispensing Business; returns £30 per week under management; long lease would be granted at nominal rent; good living accommodation; well fitted and stocked; price £650 or offer.

4.—LONDON, E.C.—In working-class market place; lock-up shop and basement; reasonable rent; returns £25 to £30 per week under Manager; price £950 or reasonable offer.

5.—YORK.—Chemist's Business, established 11 years; turnover £1,600 per annum; property also for sale with excellent accommodation; sole monopoly of a population of 6,000; £500 could remain on mortgage; stock and fixtures about £600.

BRETT & CO

All Valuations have the personal attention of F. J. Brett, M.P.S

Transfer Agents and Valuers,

73 LAUREL ROAD, LEICESTER.

Telephone: 1934.

£1,800 RETURNS; MIDLANDS.—Good large shop and roomed house; Light Cash Retail, capable of great increas vendor retiring abroad; fine opening for Dentistry, Optics, Photo; £1,200 or near offer for quick sale.

£2,000 (at the rate of this year); NORTH WALES.—Desira locality; good-class Retail, with several well-established Propr taries; good house and large garden; price £1,100.

£1,240 RETURNS; MIDDLESEX.—Well-fitted shop, g house; net profit £500; good middle-class Retail; no N.H. ill-health sole cause of sale; price £1,000.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

PARSON C. BAKER, Ph.C., M.P.S., 4 Cyprus Rd., N.3. Tel.: 941 Finch

WM. ROOKE ROBERTS, M.P.S., F.S.M.C.,

174 Victoria Street, S. W. 1. Tel.: Victoria 27.

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet,

Recommended by The British Drug Houses, Ltd., Messrs. Meggeson, L Messrs. Barclay & Sons, L d., and many other leading Wholesale Hou Valuers to the Association of Manufacturing Chemists.

ERNEST J. GEORGE

Stocktaking and Valuation for all purposes.

Chemists' own Inventories Priced and Analysed.

202 BIRMINGHAM ROAD, WALSALL,
And 26 LANGSIDE RD., NEWLANDS, GLASGOW.

TENDERS.

WIGAN UNION.

THE Guardians of the above Union invite Tenders for supply of Drugs, etc., to the Poor Law Dispensary, Lane, Wigan, and the Poor Law Infirmary, Billinge, in acc ance with the quantities set out in the schedule to the f of Tender, which may be obtained at the Union Offices, Vic Buildings, King Street, Wigan, up to the 2nd proximo.

Tenders and samples must be delivered to me, the undersig not later than 12 o'clock noon on the 4th proximo.

By Order of the Board,
H. GORDON ACKERLEY, Cler

Victoria Buildings,
King Street, Wigan,
20th April, 1921.

PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid

AN opportunity occurs to obtain a Partnership in an old-e lished and select Dispensing Business in a popular h resort on the South Coast; there are two Pharmacies, esc the main shopping thoroughfares in their locality. Apply letter, to "Pharmakos," c/o Messrs. The British Drug Ho Ltd., 22/30 Graham Street, City Road, London, N.

WANTED, a Partner, to float two harmless Curative Spe (bronchitis and stomach catarrh) of Brazilian pl Suckling, 180 Brompton Road, S.W.

SALES BY AUCTION.

By Order of the Trustee, under a deed of assignment.

e T. Woolldridge, of 26 Lisle Street, Leicester Square, and H. H. Cbaston, trading as The Cricine Co., 310/312 Regent Street, W., removed for convenience of Sale, and otber Estates.

o Cbemists, Masseurs, Druggists, Furniture Dealers, and others.

RYER, COOPER & CO. will Sell by Auction at their Rooms, 3 Redeross Street, E.C. 1, on THURSDAY, April 28th, at ne o'clock precisely, the bigh-class Stock of a Chemist, togetber itb tbe Fittings and Equipment of a Massage Institute, com-rising a large assortment of proprietary articles, Patent edicines, Perfumery Soaps, Hair, Tooth, Shaving, and Nail rushes, Manicure Sets, Powders and Pastes, Soap Rounds and ntents, Enamelled Fittings, Basins, Electric Geyser, Carpets, ttees, Easy Chairs, together witb a quantity of Office Furniture, ll Top and Pedestal Desks, Oak and Mabogany Chairs, Type-riters, Typist Tables, etc., etc.

On view day prior and morning of Sale, and Catalogues may had of Parkin S. Booth, Esq., The Association of Manu-cturing Cbemists, Kimberley House, 31 Holborn Viaduct, C. 4, and of tbe Auctioneers, 3 Redeross Street, E.C. 1.

BUSINESSES FOR DISPOSAL.

6s for 50 words or less; 6d. for every additional 10 words or less, prepaid.

e Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ERTFORDSHIRE.—Old-established Business; Kodak and Ucal Agencies, Wine Licence; good Family and Dispensing con-tion; bouse accommodation behind shop; to be sold either at uation of stock, fixtures, etc., and nominal amount for good-l, or fixed sum; only casb buyers entertained; takings over ,000; for immediate disposal or to suit purcbaser. Apply /32, Office of tbis Paper.

ONDON, W.—Working-class Cash Retail Business, in very busy market tboroughfare; unique position; returns over £2,000, hout any side-lines; returns could be doubled; good house acbed; price £1,500; a genuine offer; only buyers with ready h need apply; bankers' references required. Apply 77/15, ce of this Paper.

WALES.—Old-established Business, sbowing returns for the last six months of £977, witb every prospect of increasing; ht Retail and Veterinary (easily worked); expenses very low; ellent bouse and garden; price £1,000. Apply 78/40, Office of Paper.

O AGENTS.—Wales; popular residential and visitors' resort, rapidly growing locality. A rare opportunity will shortly ar of acquiring two sound and well-known Businesses, with olesale side-lines; net profits above average; returns last year £6,000; suit two energetic Pharmacists; ample opportunity increase, particularly Optics and Dentistry; vendor requires ller business; own property; would consider selling separately; ker's references witb inquiries, please; £3,500 required. enuine". (77/18), Office of this Paper.

NOPPOSED genuine Business; Prescribing and Pbotography, good opening for Optics, and scope for increase; returns year £1,720, increasing; population 8,000 to 10,000, Easton rict alone; convenient seven-roomed house, with small garden; l-sized sbop, beavily stocked and well fitted; very easily ked, price on valuation basis. Willis, 35 Straits, Easton, land.

NOPPOSED, in Lancashire manufacturing district, showing a net profit of £700 per annum; good opening for Photo-by; witb premises, £2,500. Full particulars on application 8/24, Office of this Paper.

FOR SALE.

Advertiser may if preferred have replies addressed to this fice, a d forward-d on paym-nt of an additional charge of 1/-.

SH Register Till, £12 12s. model; strong dovetailed case, ricily french-polished, patent check-action drawer, large cash city; accept £4 4s.; also smaller model, £3 3s.; approval ngly. 3 Aubert Park, Highbury, London, N. 5.

B. each Bristow's Wallflower, Carnation, White Rose, Sweet Pea, Parma Violet; 2 × 1 lb. Blondeau Wallflower; 1 lb. Courts Wallflower, @ 20s. lb.; 1½ lb. Spurways Lilac Lilac 5s. per lb.; 6 × 8/6 Zenobia Lily-Valley @ 5s. 6d. each. ball, Cbemist, Thetford.

AGENCIES.

6s. for 50 words or less: 6d. for every additional 10 words or less, prepaid.

ADVERTISER, about to arrive in England, wishes to under-take tbe representation in America of first-class Toilet Soap manufacturer; established in New York for ten years, travelling for Salesmen in U.S., with branches in Canada and Mexico. Apply 24/57, Office of this Paper.

AGENTS wanted in large provincial towns in England, to take up exclusive Agency for Glauber's Salts, Druggists' quality, Epsom Salts, Hypo, Soda and Carb. Soda, pea crystals; terms by arrangement. Address, in first instance, 79/19, Office of tnis Paper.

TO Commission Agents.—Chemist in South African town seeks the services of a reliable Buyer in London, upon cash with indent basis; turnover £1,000 per annum, increasing. Reply fully to 64/6, Office of this Paper.

TRAVELLERS, on commission, required for Liverpool District, Midland Counties (Birmingham excepted), Eastern, Soutbern, and Western Counties, to carry first-class seasonable Proprietaries; light samples, attractive show matter; connection amongst Chemists essential; good commission. Apply E. & G. H. Colver, Manufacturing Chemists, 23 Ryland Road, Edgbaston, Birmingham.

WANTED, Agent, good connection Wbolesale and Manufac-turing Cbemists, to pusb profitable side-line. Dairy Sun-dries, Ltd., Knotts Green, Leyton, Walthamstow, 188.

SITUATIONS OPEN.

RETAIL.

6a. for 40 words or less: 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM.—Assistant, unqualified, with good general trade knowledge and of gentlemanly deportment; must be careful and accurate Dispenser. Apply, witb full particulars, to General Manager, Hedges (Cbemists), Ltd., Dale End, Birmingham.

LONDON.—Qualified Lady Pbarmacist wanted, cbiefly for N.H.I. Dispensing, in a working-class neighbourhood; knowledge of Retail not essential, but opportunity offered of acquiring such; salary £4 weekly. Apply "M.P.S." (78/36), Office of this Paper.

LONDON, S.E.—Junior; must be good Window-dresser; out-doors. Bennett & Morris, Ltd., 16 Rushey Green, Catford.

LONDON, S.W.—Capable Assistant required for middle May. Full particulars to Neve, 10 Victoria Parade, Norbury, S.W. 16.

LONDON, W.C.—Gentlemanly Assistant (Junior) for high-class Dispensing and Counter; must be obliging and accustomed to good-class work. Apply A. Maitland & Co., 8 Torrington Place, Gordon Square, W.C. 1.

LONDON Suburb.—Capable Senior (25-35), for front counter modern high-class Pbarmacy; Pbotographic knowledge; others kept; permanent progressive bertb for ambitious man (out-doors); single preferred (bousing difficulty); state experience and salary; applications not answered respectfully declined. "Ozone" (78/3), Office of this Paper.

MANCHESTER (near).—Wanted, for middle of May, unqualified Assistant, about 28; preference to one with practical Optical knowledge; state full partieulars first letters as to experience, height, references, and salary (outdoors); communications not answered witbin a week respectfully declined. 78/1, Office of this Paper.

OXFORD.—Competent Assistant wanted for high-class business; Dispensing and Counter; permanency; highest references indispensable; state salary, experience, age, if any knowledge of Pbotography, and enclose photo; no Sunday duty. Oxford Drug Company, Limited, old-established University and Family Chemists and Merchants, Oxford.

RADCLIFFE, Manobester.—Wanted, qualified Assistant, to manage Branch. State usual particulars and salary required, J. T. Smitb & Son.

SHEFFIELD.—Wanted, tboroughly experienced Assistant, about 25 years of age, for light Retail and Dispensing Business. Apply, stating full particulars, age, height, salary, experience, etc., 79/7, Office of this Paper.

SOUTH COAST.—Competent unqualified Junior Assistant, accus-tomed to good-class trade; must be of good appearance and address; relief work, beginning May till end October; possible permanency if satisfactory. State age, height, experience, salary required, in first letter to 79/201, Office of this Paper.

SOUTH OF ENGLAND.—Assistant required; permanency, with good salary. Timothy White Co., Ltd., Portsmouth.

ASSISTANT, unqualified, wanted, outdoors, for good-class Dispensing and Light Retail; no N.H.I. or Photographics. Full particulars of experience, age, and salary required, to Dring, Chemist, Teignmouth.

ASSISTANT; unqualified; young, energetic; Window-dressing and Photographic experience; highest references necessary; state height, age, experience, and salary required. Apply 74/18, Office of this Paper.

ASSISTANT, unqualified; must be smart, energetic, and reliable. Apply, after 6 p.m. Friday or after 2 p.m. Saturday, to Morton's, Chemists, 199 Portobello Road, Notting Hill, W. 11.

ASSISTANT, with thorough experience of medium-class trade, N.H.I., and Photographic, wanted immediately. Send full particulars, H. H. Thatcher, Caldmore Pharmacy, Walsall.

ASSISTANT, young, energetic, qualified, for permanency in good-class Dispensing business; smart Window-dressing and sound knowledge of Photography essential. Salary and full particulars to Palmer, 20 King Street, Twickenham, S.W.

CAPABLE Junior for Wholesale and Retail Business; quick and accurate worker; give particulars of experience, mention age, references, and salary expected (outdoors); a good Dispenser would have early prospects of advancement. Braddock & Bagshaw, Ltd., 37 Yorkshire Street, Oldham.

CHILDREN'S Hospital, St. Michael's Hill, Bristol.—Assistant Dispenser required; hours 9 to 5, except Sundays; state qualifications and experience; salary £90 to £100. Apply, in writing only, to the Secretary.

COMPETENT, qualified Assistant for a good Retail and country business, capable of managing; state age, experience, references, and salary required. Herbert Jenkins, 19 Bank Street, Braintree.

COMPETENT Assistant, experienced in good-class Retail and Dispensing, with Photographics. Kindly state age, height, details of former experience in first letter, and when disengaged, to Mr. Hirst, 5 High Street, Broadstairs.

DISPENSER and Surgery Attendant wanted shortly by Surgeons in London, S.E.; rooms provided at Surgery; a single, experienced man with good credentials and of sober and courteous habits will find a good position. Reply by letter only (please send no original testimonials or photographs), stating experience and salary desired, to "Doctor," 207 Grove Lane, S.E. 5.

IMPROVER for working-class district; able to Dispense; state salary. Apply Hopwoods, Ltd., 345 Scotland Road, Liverpool.

LOCUM Assistant for six months or prospective permanency in a large first-class business; must be a Salesman of good appearance and address; please state age, salary required, with full particulars, references, and photo if convenient. "Statim" (77/16), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist; easy hours; good and progressive salary, with excellent prospects.

PARKE'S Drug Stores, Limited, require the services of an unqualified Assistant; applicant must be young, energetic, and a reliable Dispenser; highest references required. Apply 65 Harmood Street, Camden Town, N.W. 1, any morning between 10 and 12 o'clock, or by appointment.

PHARMACIST (male or female), to act as Hospital Dispenser, and as Laboratory and Photographic Assistant; must hold one of the qualifications of the Pharmaceutical Society. Apply, in writing, to Physician Superintendent, Crichton Royal Mental Hospital, Dumfries, stating age, qualification, training, and experience, with copies of testimonials and salary desired. No deduction from latter towards pension. Appointment terminable on three months' notice.

QUALIFIED lady required for Light Retail and Dispensing. Full particulars, stating salary, to 77/23, Office of this Paper.

WANTED (immediately), capable, energetic Male Assistant (outdoors), age about 30, qualified or unqualified, for Dispensing and Counter; must have knowledge of Photography and have good references. Send full particulars and salary required in first letter, Wigglesworth, Chemist, Slough.

WANTED, immediately (outdoors), competent, trustworthy Assistant, quick and accurate Dispenser, preferably with London experience and knowledge of Photography; competence more important than qualification; applications not answered in four days respectfully declined with thanks. All particulars to "Aspirin" (50/20), Office of this Paper.

WANTED, by Private Limited Company, smart, qualifi Manager for shop shortly to be opened in busy West Ridi town; must be conversant with up-to-date methods and ha sound knowledge of the business; kindly state salary required a when at liberty. "West Riding" (77/21), Office of this Paper

WANTED (immediately), young lady, 18 or 19, with so knowledge of Photography, for Photographic Departmen state salary. Bidie, Chemist, Banbury.

WANTED, Junior Assistant (male) for business in Lond suburb; salary £2 10s. Apply, stating experience, age, et 77/39, Office of this Paper.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less prepaid.

The Advertiser may, if preferred, have replie addressed to t Office, and forwarded on payment of an additional charge of 1/-

MANUFACTURERS of Powder Puffs want Representatives commission basis calling on Chemists, etc., in Engla Scotland, and Wales, Lancs and London excepted; high-class s able lines, which occupy little room; gentlemen with good c nection find ready sale; good profits for retailer. William Bros., 16 Southwark Street, London Bridge, S.E. 1.

REPRESENTATIVE wanted by old-established Surgical Rub factory, either on commission as side-line or on own acco Apply P.C.B. 78/13, Office of this Paper.

REPRESENTATIVE required for London with good connect with Wholesale and Retail Druggists for sale of propriet article; only applicants having sound connection and good t over will be considered; mention approximate value of trade d and salary and commission expected. Apply P.C.B. 78/12, O of this Paper.

REPRESENTATIVE wanted for Toilet Brushes for London country. Apply Coate & Co., London Brush Wo Axminster.

THOROUGHLY qualified man required, to take charge Chemical and Pharmaceutical Laboratories of leading Wl sale house; position demands both scientific and business quali in addition to practical experience. Apply, with full detail age, experience, etc., to 36/69, Office of this Paper.

TRAVELLER wanted for Yorkshire, for sale of Dyes Colours, chiefly in the non-textile trades; connection Leather, Varnish, Polish, Ink, Cabinet, and allied trades prefer good opening for thoroughly qualified man with undeniable r ences. State full particulars to 43/24W, Office of this Paper

TRAVELLERS required to carry advertised Toilet Preparat in S. and W. of England and S. Wales; live conne with ladies' Hairdressers and Chemists essential. Write, sta full particulars, terms required, in confidence, to "Eydola 345 Archway Road, Highgate, London, N.

WORKS Manager, with technical knowledge of the manufa of Writing Inks, etc., also of Inks and Stains for the and Shoe trade, in old-established Liverpool works; mus Analytical Chemist. Apply 79/5, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

BOMBAY.—Qualified Assistant required (immediately) for established European business; must be thoroughly ex enced; three years' agreement; salary commencing Rs.450 month first year, Rs.475 second year, and Rs.525 third second-class passage out and home. Apply, with copy testimo and photograph, to 24/58, Office of this Paper.

RETURNING PHOTOS, &c.

Advertisers in this section who receive portrait and copies of testimonials from applicants with stamped addressed envelope for reply are reminde that the undue retention of these often means hardship to the sender. All personal document should be returned as promptly as possible aft perusal.

SITUATIONS WANTED.

[HOME.]

RETAIL.

s. for 16 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if preferred, have replies addressed to this fice, and forwarded on payment of an additional charge of 1/-.

A.A. — PHARMACIST, 34, excellent experience, thoroughly reliable, desires permanency as Branch ager; nine years present berth. "Aspirin" (76/2), Office of Paper.

A.A.—QUALIFIED; 36; Locum or permanency; 5½ years' reference; abstainer; 5 ft. 8 in. "Rhei," efton Street, Southport.

—JUNIOR (unqualified); good all-round experience, including Photography; good references; London, Midlands, or sea-preferred. Apply 78/5, Office of this Paper.

CAPABLE Pharmacist; 33; single; permanency; moderate remuneration; disengaged shortly. "C.," Burslip Villa, enor Street, Cheltenham.

CAPABLE Assistant, unqualified; 36; Dispensing, Counter, Photographic, and Optical experience; good Salesman and ow-dresser. Apply "B" (77/38), Office of this Paper.

QUALIFIED Chemist (47), disengaged 30th inst., desires Locum or permanent engagement; England or Continent; ienced Dispenser; knowledge French and German. mious," 39 Nicoll Road, Harlesden, N.W.

Assistant Dispenser.—Lady (23), Hall certificate, requires post in or near London; some knowledge of typing and eeping. Miss Bell, 11 Goodge Street, W. 1.

Junior; four years' experience; 19; Counter, Dispensing, Photography. "Beta," 82 Estcourt Road, Fulham, London, 6.

Manager or Dispenser; qualified; expert Pharmacist and Photographer; outdoors; elderly, active. "Major," 3 East ch Grove, S.E.

qualified Manager or Locum; good experience; disengaged; terms moderate. J. Fraser, 57 Cranbury Road, Fulham, 6.

ISTANT, unqualified, age 24, requires part-time post; passed Part I.; London preferred; excellent experience and nces. "Salol" (77/3), Office of this Paper.

ISTANT; 33; married; ex-service; 12 years' experience with Chemist as Apprentice and Assistant; some Surgical edge; can drive motor. Apply M.L. 72718, Office of this .

ISTANT, unqualified, desires part-time situation; London district only. "V. R.," 30 Gore Road, Hackney, E. 9.

ISTANT, 26, through Part I., requires situation in London; 10 years' Dispensing and Retail experience in London and ces. Phillips, 18 Liston Road, Clapham, S.W.

ISTANT Dispenser; 27; married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

ISTANT, unqualified, single, first-class experience, desires asy berth, not being very strong, about end of May. Apply 74/38, Office of this Paper.

ISTANT (lady), unqualified, served apprenticeship, energetic and reliable, five years' experience Dispensing and Counter, post with Chemist; London preferred, but not essential. lia" (78/15), Office of this Paper.

ISTANT, qualified (28), 12 years' experience in good-class Retail and Dispensing, at present Branch Manager, seeks on with a view to a permanency; good references; enthu- and conscientious; Midlands or London district preferred, t essential. Apply 78/11, Office of this Paper.

ISTANT (clergyman's daughter) desires post, early May, London. Write duties, hours, salary, Miss Rumsey, 128 ve Road, S.W.

STANT, single, unqualified (23); good Dispenser, Counter xperience, Window-dresser, and Photographics; disengaged. ," St. Michael's, Church Street, Abertillery, Mon.

STANT (unqualified); smart Salesman; 15 years' Stores xperience Drugs, Perfumery, Sundries, Surgical, etc. ," 37 Brunswick Road, N. 15.

STANT, unqualified (28), tall, desires situation; good Dis- ensing experience; able to take charge. Full particulars, offered, T. Leeming, Glen View Road, Burnley.

STANT, M.P.S. (26); used busy Industrial Class business. Advertiser," 81 Wilbury Crescent, Hove.

STANT or Locum; good experience Retail and Dispensing; part time in London. "Locum," 38 Spittal Square, .

ASSISTANT (23); unqualified; six years' experience; College trained; reference; Midlands preferred. "Statim," 106 Castle Street, Hinckley.

ASSISTANT; unqualified; 25; single; good experience; disengaged; good references. 78/26, Office of this Paper.

ASSISTANT or Manager (33); unqualified; abstainer; reliable; 15 years' good all-round Dispensing and Retail experience, Photography, Agricultural. Apply 79/22, Office of this Paper.

ASSISTANT, part time or short hours; West-End and French experience; tall; fluent French, Photography, Optics; locum entertained. P.C.B. 79/14, Office of this Paper.

CHEMIST'S Assistant disengaged April 25; age 27; good references; 4 years last berth; sober, honest; well experienced London and Country Dispensing, Photographic, Optical, and Dental; good Salesman and Window-dresser. "Rex," 5 North Terrace, Bishops Stortford.

CLERICAL; spare time to Chemist or Doctor; two or three evenings a week; London only. "A. H. B." (77/10), Office of this Paper.

COMPETENT Assistant (27); qualified; first-class Dispensing and Retail experience; Photographic; would manage; industrious; disengaged. Apply "Experienced," 21 Belvedere Road, Upper Norwood, S.E.

DISENGAGED; qualified; age 46; wide experience; Manager or Locum; London preferred. "Chemist'," 108b Elgin Avenue, W. 9.

DISENGAGED; capable and reliable; manage or assist; 20 years' good all-round experience; excellent references; unqualified; good Prescriber; Locum entertained. "Number One," 74 Peckham Road, S.E 5.

DISPENSER (lady), 22, desires post as Dispenser or Secretary to Doctor, Chemist, or Hospital; Hall certificate; knowledge of Shorthand and Typing; town or country; moderate salary; would accept Locum. Apply Miss Sandes, 4 Kensington Gardens Square, London.

DISPENSER, qualified, desires position in Bournemouth or near. Apply P.C.B. 75/11, Office of this Paper.

DISPENSER (male), disengaged; many years' experience in busy Medical practices; highest references. "R.," 26 Pine Road, Cricklewood, N.W. 2.

DISPENSER-BOOKKEEPER (Hall), lady, desires post, Doctor or Institution; experienced; excellent references; London or district. Miss M. Gordon, 149 Cromwell Road, S.W.

EX-SERVICE man desires position in Pharmacy; Dispenser or Representative; age 30; single; 6 years' experience as Chemist's Assistant; willing to go abroad. M.L. 1311/21, Office of this Paper.

EXPERIENCED; part or whole time; Counter, Dispensing, Books, Stock; reliable. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

EXTRA help or permanency; energetic, experienced Manager, Assistant. "Chemicus," 79 Cecil Street, Manchester, S.

GARRETT WILLSHER, Pharmaceutical Chemist, desires engagements as Locum, town or country; good experience all branches. 62 Westbourne Road, Forest Hill, S.E. 23.

IMMEDIATELY.—Locum Relief; any period; town, country; thoroughly competent, capable, experienced; industrious worker. "Chemicus," 239 Camberwell New Road, S.E. 5.

LADY Assistant (Hall), 10 years' experience in Retail Pharmacy, desires situation with Chemist or Doctor; salary moderate. Apply 79/26, Office of this Paper.

LADY Dispenser (Hall), experienced, desires re-engagement; Doctor or Institution; London or Lancashire preferred; please state salary. Apply 77/8, Office of this Paper.

LADY Dispenser; Hall; experienced; engaged part-time Hospital; free Wednesday and Thursday; Doctor, Institution, or Medical; Bookkeeping monthly, quarterly; moderate fee. E. Ventris Field, 27 Cambridge Avenue, Kilburn Park, N.W. 6.

LADY Dispenser, Hall certificate, seeks post; late Motor Driver Women's Legion. M. Baker, The Trees, Maldon, Essex.

LADY Dispenser (Hall) seeks post with Doctor or Chemist; London or suburbs; or as Locum; energetic and keen. Apply J., Langford House, Buckhurst Hill, Essex.

LADY Dispenser (Hall); five years' experience with Chemist, Doctor, and Hospital; good testimonials; disengaged. 6 Park Hill, W. 5.

LADY Dispenser (Hall) desires post with Doctor, Chemist, or Institution; London district preferred; bookkeeping if required. 79/4, Office of this Paper.

LIVERPOOL DISTRICT.—Assistant or Manager; unqualified; 49; married; 14 years' present berth. "M.," 69 Leven Street, Liverpool.

LOCUM.—Major man at liberty May and September, part June, July and August; highest references; speaks French. Apply C. A. Hewitt, 61 Victoria Avenue, Hull.

LOCUM or permanency; unqualified; long experience; good references; disengaged 26th inst. "G.," 95 Ropery Road, Gainsborough.

LOCUM; qualified; experienced; disengaged; 50 miles radius London. R. Burden, M.P.S., 40 Connaught Road, Margate.

LOCUM or permaneat; qualified; lady; 12 years' first-class experience; Dispensing, Photography, Optics; excellent references; reliable; state terms. Apply 76/3, Office of this Paper.

LOCUM.—Qualified Assistant desires Locums from June to September; at present on French Riviera; highest references. Apply "R.," o/o Cruickshank, 27 Victoria Street, Aberdeen.

LOCUM or Branch Manager (40), Retail and Dispensing; disengaged; good references. Turner, 44 Macfarlane Road, Shepherd's Bush, W. 12.

LOCUM (third season), qualified, reliable; vacancies now to June 4, also August; write or wire list clients and photo. "M.P.S.," 2 Glengall Road, Kilburn, N.W. 6.

LOCUM, Dispenser, or Assistant; first-class West-End and Hospital experience; disengaged May 7th. "Dispenser," "Marina," The Medical Institute, Lowestoft.

LOCUM, qualified, young; any time this season; resident near Nottingham; interviews arranged. Apply 79/2, Office of this Paper.

LONDON; 39; qualified; several years co-proprietor of large International Pharmacy on Continent, requires position in good-class business for few months, at low salary, to ascertain new conditions in England; preference given to position with prospect of future interest in business (partnership or ownership). Edwards, Vevey, Switzerland.

M.P.S. (27), lady; Assistant or manage branch; 11 years' excellent experience; Dispensing, Counter, Photography; highest references. "Statim" (76/300), Office of this Paper.

MANAGER; qualified; married; 15 years' experience; moderate salary. Apply 75/40, Office of this Paper.

MANAGER or Senior; qualified; competent to organise and control large Photographic output; over seven years present berth; disengaged middle of May; London or South preferred. Singleton, 8 Station Road, Westgate-on-Sea.

MANAGER or Locum; experienced, reliable; London, provincial, seaside; satisfactory references. "Pharmacist," 38 Wendover Road, Harlesden, N.W.

MANAGER or Assistant; 37; abstainer; qualified; married; disengaged; competent and reliable; experienced; permanency. "M.P.S.," 98 Greyhound Lane, Streatham, S.W. 16.

MANAGER to widow or invalid; qualified; elderly; indoors or outdoors; good prescriber; moderate salary; long reference. Apply 79/130, Office of this Paper.

MANAGING, Senior, Relief Assistant, for South Coast; practical Photo, attractive Window-dressing, Dispensing, and good organising experience; free now; good references. "Celeritas" (78/20), Office of this Paper.

PHARMACIST; 29; married; M.P.S.; served 4 years' apprenticeship as unqualified Assistant and Dispenser. M.L. 26885, Office of this Paper.

PHARMACIST; 45; experienced, reliable; expert Optician; locum or temporary; responsible position; disengaged May 7th; London district or South. "Pharmoptico" (78/16), Office of this Paper.

PHARMACIST (35) desires engagement as Manager or Senior; energetic and capable; 20 years' experience Dispensing, Photography, Optics; disengaged; permanency preferred. Mellor, 79 Uppingham Road, Leicester.

PLYMOUTH.—Pharmacist requires position, Manager, part time or Locum (booking dates now); 20 years own business; age 44; may purchase suitable business. Apply 6 Bedford Park, Plymouth.

POST in high-class Dispensary business; 23; single; M.P.S.; served 4 years' apprenticeship; also experience as Dispenser. M.L. 7594, Office of this Paper.

QUALIFIED Chemist, middle-aged, seeks light post; experienced in Retail and Dispensing; good references; moderate terms; could invest small capital. Apply 77/7, Office of this Paper.

QUALIFIED; 19 years' good-class all-round experience; excellent references; active; please state salary. "Pharmacist," 15 The Leas, Folkestone.

QUALIFIED (39); fluent French; best experience in good-class Pharmacy. Apply 9/21E, Office of this Paper.

QUALIFIED Manager of small branch; England or Wales; elderly; experienced; abstainer; reliable; 21 years' reference; permanency preferred, or otherwise. "Statim," 110 Hollingbury Park Avenue, Brighton.

QUALIFIED, 26, disengaged June 3rd; energetic, reliable, and experienced; Scotch apprenticeship and London experience; Window-dressing and Photography; permanency desired. "Willing," 26 Colmer Road, Streatham, S.W. 16.

QUALIFIED, tall, thin; good appearance and address; Ph graphy; good at Dentistry; disengaged. Haggis, 29 Vict North, Southsea.

QUALIFIED, young, tall, good experience, excellent r ences, desires post. Apply 79/1, Office of this Paper.

QUALIFIED; first-class Dispensing experience, knowl Photography; tall, young, single; good reference. A 78/39, Office of this Paper.

ROOMS.—Experienced lady Dispenser, excellent testimon will give services in exchange for empty rooms, Lon Apply 76/7, Office of this Paper.

SHOP or Laboratory situation required by Pharmaceu Chemist (recent); home or abroad; capable; excellent r ences. Apply P.C.B. 78/37, Office of this Paper.

SMART, experienced Pharmacist Manager requires locum or maneney in town or country; up-to-date in modern bus methods; disengaged; married. "Tristan," 26 Fox Hill, S.E

STOCKTAKER desires situation, London; thoroughly u stands business; best Retail experience. Apply "Me 164 Hampstead Road, N.W. 1.

UNQUALIFIED Assistant or Manager; able to take ch up-to-date Dispenser, Counter, Photography, and S keeper; 14 years' London experience with largest Store Chea good address, references. B., 44 Quentin Road, Lewisham, S.E

WANTED, Managership in Retail Chemist's; good and experience. State salary offered (outdoors), "Bleah (77/33), Office of this Paper.

WHOLE- or Part-time Assistant; 30; single; Agricultural Photographic experience; unqualified; North prefe Apply 77/29, Office of this Paper.

YOUNG man, qualified except one subject, at presen Pharmacy on French Riviera, seeks situation in or London, commencing about May 10th. Apply 75/21, Office of Paper.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepai

A.A.—AN excellent opportunity to introduce your goo to the Chemists in the Potteries and surrou districts; splendid connection; commission basis. "A (78/31), Office of this Paper.

A REPRESENTATIVE-SALESMAN, with strong conn amongst London Chemists and West-End Stores, op representation of first-class firm only; salary and comm basis. Full particulars, "Z." (P.C.B. 79/20), Office of this

ADVERTISER, representing first-class house, can carry a good line on commission with part expenses; live and sive connection; highest references. Write P.C.B. 79/13, of this Paper.

EXPERIENCED Office, Warehouse, Manufacturing, Stoel Storekeeper; practical Checker; Chemicals, Drugs, G., 122 Scott-Ellis Gardens, N.W. 8.

LADY (young, well educated, M.P.S.), Retail experience, ledge Shorthand, Typewriting, requires any suitable p with Wholesale house. Apply 78/22, Office of this Paper.

ORGANISING, Administrative, Travelling, or Managerial 49; married; Major; M.P.S.; fluent Italian, slight F 25 years in business on own account as Pharmacist; consid administrative experience in Army as O.C. Medical Sto France and Italy. M.L. 98597, Office of this Paper.

PHARMACEUTICAL Chemist requires Laboratory sit Minor and Major passed successive years, "S trained throughout; can quote excellent references. "A. L. H.," 10 Hilltop Road, W. Hampstead.

PHOTOGRAPHIC DEPARTMENT.—Advertiser, age 3 experience of Photography, Manager Retail departm various parts of provinces, Wholesale dealers and trade London, four years' technical training in Chemistry, all branches Photography, Photo-mechanical Processes, exper tical worker, up-to-date business man, desires position wher qualifications will be of service. "W.," 4 Belvedere Dewsbury Road, Leeds.

REPRESENTATIVE, wide experience and large con desires representation good house; energetic; expense moderate remuneration. "Liverpool" (79/3), Office of this

SALESMAN, Manager, or Buyer in the Chemical trad single; 14 years' experience as Junior to Depart Manager, 1 year as Buyer and Salesman to Chemical Mer also 2 years' experience as Manager of Chemical Departm General Merchants. M.L. 2915/21, Office of this Paper.

THOROUGHLY experienced Traveller, connection in desires re-engagement; salary and expenses. "Chemic" (77/12), Office of this Paper.

TRAVELLER or Bookkeeper; 26; single; 6 years' ex with Chemists; qualified Bookkeeper. M.L. 73169. this Paper.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

NUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

'O Leading Salesmen of an important Company are now open to represent any first-class house where salesmanship ppreciated; ground covered, London and provinces. Apply B. 79/12, Office of this Paper.

UNG Swiss gentleman (Diploma Swiss Druggist) desires situation in Wholesale or Retail house; fair English and ct French; willing to assist in any department; expenses desired to commence. Apply P.C.B. 78/30, Office of this r.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

UNG Pharmacist seeks post abroad (preferably India or Far East); excellent references; held responsible position me; previous experience in sub-tropics. "M.P.S.," 23 Worm-Road, W. 12.

MISCELLANEOUS.

10s. for 60 words: 1s. for every additional 10 words or less.

ADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Tele-: 81 Lee Green.—Shares for Sale (free of commission, sub-1,000 Alby Carbide, 2s. 3d.; 250 J. E. Atkinson Ord., bid d; 500 De Trey Ord., 22s., last div. 22½%; 100 Harrison r, 43s.; 500 Idris "A" 6% Pf., 9s. 4½d.; 150 Ilford f., 15s. 6d.; 844 H. Lamplough, 2s. 1½d.; £500 Lever 7% (issued 92½), £22 10s. paid, 19½.—Wanted (subject): 100 & Burrows Ord., 10s. 9d.; 100 Pfs., 10s. 3d.; 100 Parkes Ord., 18s. 10½d.—Bankers, London County and Westminster.

P Fittings (complete set), 12′ 0″ Drug Fitting, 6′ 0″ Wall Case, 6′ 0″ Screen (Sponge Case under), 6′ 0″ Bent Counter 12′ 0″ Counter, Desk and Case, Tooth Brush Case, and nest unter Drawers; a bargain. Can be seen at Philip Josephs s, Ltd., 93 Old Street, London, E.C. 1.

COMMERCIAL TRAVELLERS CALLING ON CHEMISTS, HAIRDRESSERS, etc., but not representing Perfumery Houses, so as to avoid any breach of confidence.

IRM of very high-class Perfumers requires a list of addresses of the best-class Retailers in each town who would be likely interested in exclusive Perfumery Products. Advertisers do tend appointing representatives at present, but the infor-n is required merely to avoid waste of postage in circularis-ince only Retailers doing the highest class trade would be sted in the products.

se state territory in respect of which this information could en.

partiouiars and honorarium expected to 36/68, Office of aper.

Sale, 6,000 kilos. Permanganate of Potash Pharmac., of sace origin. Letters, D.D.O., to Nygh & Van Ditmar's ising Office, Amsterdam.

Sale, at sacrifice, 300 gross flexible steel Nail Files (3 to 3 in.), 35 gross Menthol Inhalers, 25 dozen Manicure Sets 39 dozen Shaving Brushes, 3 gross Tweezers. J. E. Baum, hopsgate, London, E.C. 2.

P FITTINGS.—Drug Fitting, glass-fronted Counter, Wall Cases, and Dispensary Screens for immediate delivery; lowest consistent with high-class work. H. Mills & Sons, Shop-163/165 Old Street, E.C. 1.

ND-HAND CHEMISTS' FITTINGS.—We have an excep-ionally fine selection of these in all sizes; prices are right, ods are in first-class condition; we shall be pleased to particulars and prices. Call or write, RUDDUCK & CO., d Street, London, E.C. 1.

GROSS fine-quality Leather Finger Stalls, also soft Doe-skin; assorted to your requirements; every Stall well 1; 3 doz. for 7s., 6 doz. for 13s. 6d., post paid, cash with 2d. stamp for sample. F. J. Weller & Co., Ewhurst, near ord.

To Owners of

MEDICAL & TOILET PROPRIETARIES

Manufacture and Sale undertaken on specially moderate terms by

J. H. CUFF & SONS

(Harcombe Cuff Ltd.)

Wholesale Chemists and Druggists,

453 Caledonian Rd., London, N. 7

4 YEAR NEW EDIT.	JAY MACK'S LEDGERS 3-year Cash Books 6/- MACK-IVOR 45 HIGHTOWN, CREWE	21/- POST FREE.

EXCHANGE COLUMN.

Twopence per word: Minimum 2s.

The **Advertiser** may, if preferred have re lies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

FOR DISPOSAL.

SET of Shop Rounds, 20 oz. and others; what offers? "F. C. S.," 12 High Street, Halstead, Essex.

CLOCKWORK Motor, massive brass, £2, for window-display. S., 46 Cumberland Road, Acton.

EIGHT dozen small cylindrical white glass stoppered Museum Jars. Woodward, Pharmacist, Weymouth.

THREE Mahogany Counters (panel fronts), Window Enclosures and Fittings, Wall Cases, Tills, etc.; must clear this month. Crossdale, Bury, Lancs.

BOOKS AND PERIODICALS.

"C. & D. Diaries," Chemists' Annual, for last 25 years. Sharman, Northwood.

BOOKS.—Complete set of Minor books, as new; cheap to clear; bargain for student just commencing. Particulars from Mason, Essington, Wolverhampton.

WANTED.

UP-TO-DATE Optician's Trial Case. Send description and price to Wilson, Chemist, 741 Barking Road, E.

WOLFF'S Philodermine Hair Lotion; price and quantity. Mul-holland, Pharmacist, Hampden House, London, N.W. 1.

SUPPLY of Essentia Spermini-Poehl or Sperminum-Poehl Pro Clysma; former preferred. Webb, Chemist, Royston, Herts.

SECOND-HAND upright Glass Case, approx. 4′ × 2′; flat glass Counter Case, 6′ × 1½′; Dispensing Screen, height 5′ 6″; Pill Machine, 5 grain. Apply 76/8, Office of this Paper.

PHARMACEUTICAL Books wanted; cash offers on receipt. Gower, Bookseller, 41 Voltaire Road, Clapham.

RADIUM SALT, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

SHOP Fittings, etc. (excepting Counter and Window Fittings); full particulars last week's "Supplement," 72/23; also 5-gr. Pill Machine, Mortars and Pestles, Counter Scales, Shop Rounds, Ointment Jars, etc.

An INTERNATIONAL COMMERCIAL AUTHORITY

IT is generally recognised by all in pharmacy and the drug, chemical and allied trades that the only worth-while business journal for the retailer, the wholesaler, the manufacturer and the exporter, is

THE CHEMIST & DRUGGIST

Perhaps, however, the international character of its business influence is not fully realised. So it will be of interest to subscribers and advertisers alike to learn that copies of "The Chemist & Druggist" are BY REQUEST sent regularly to H.M. TRADE COMMISSIONERS at—

Calcutta, India.
Cape Town, Cape Colony.
Johannesburg, Transvaal.
Melbourne, Australia.
Montreal, Canada.
Sydney, Australia.
Toronto, Canada.
Port of Spain, Trinidad.
Wellington, New Zealand.
Winnipeg, Canada.
Guadalajara, Mexico (British Consulate).
Riga, Latvia ,,
Zagreb, Serbia ,,

It is also dispatched regularly, in accordance with instructions, to the COMMERCIAL SECRETARIES OF H.B.M. LEGATIONS at—

Berne.
Brussels.
Bucharest.
Buenos Aires.
Constantinople.
Copenhagen.
Liège.
Lima.
Lisbon.
Madrid.
Oporto.
Paris.
Peking.
Rio de Janeiro.
Rome.
Santiago.
Shanghai.
The Hague.
Vienna.
Warsaw.
Washington.
Yokohama.

Our Journal is also found a necessary part of the office equipment of SECRETARIES OF BRITISH CHAMBERS OF COMMERCE at—

Alexandria, Egypt.
Athens, Greece.
Baghdad, Mesopotamia.
Basle, Switzerland.
Basrah, Persian Gulf.
Buenos Aires, Argentine.
Bushire, Persia.
Genoa, Italy.
Haifa, Palestine.
Hong-Kong, China.
Jaffa, Palestine.
Jerusalem, Palestine.
La Paz, Bolivia.
Marseilles, France.
Milan, Italy.
Monte Video, S. America.
Naples, Italy.
Nice, France.
Paris, France.
Rio de Janeiro.
Sofia, Bulgaria.
Tangiers, Morocco.
Tunis.
Valparaiso, S. America.
Vienna, Austria.

This striking proof of a world-wide acknowledgment of commercial standing and authority accounts in a great measure for the unassailable position of "The Chemist and Druggist" as an advertising medium.

For all particulars regarding available space, special positions, coloured insets, etc., write to—

THE PUBLISHER, THE CHEMIST AND DRUGGIST,
42 CANNON STREET, LONDON, E.C.4.

Branch Offices:

MANCHESTER, ENGLAND.
SYDNEY & MELBOURNE, AUSTRALIA.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., New Street Square, E.C. 4; and Published by Proprietors, Morgan Brothers (Publishers), Ltd., at 42 Cannon Street, in the City of London.—*April* 23, 1921. [92

MORNY

BATH SOAPS AND SELS AROMATIQUES POUR :: :: LE BAIN

have been the MODELS for a hundred imitations. :: Let the *Original* MORNY Products adorn your Pharmacy and cement the goodwill of your customers.

Write for Price List and Terms to

MORNY FRÈRES LIMITED

6 NEW BURLINGTON ST.
REGENT ST., W.1

(2)

Reduced Prices

FOR

COCOANUT OIL SHAMPOO

(EMULSIFIED)

Put up in Panelled Bottles, each in Exquisitely Designed Embossed Carton.

2½-oz. Size, MINIMUM RETAIL, 1/-

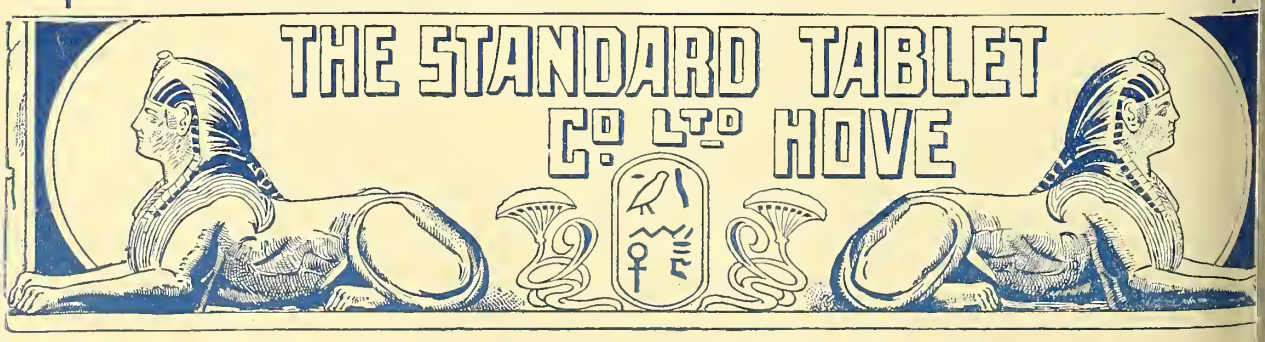
WHOLESALE, per dozen, 8/-, 12 dozen at 7/6, 36 dozen at 7/-.
£3 ORDERS (which may consist of assortment of other goods) sent carriage paid.

SEND 1/- for Sample Bottle and Postage before you place your order elsewhere.

EMULSIFIED COCOANUT OIL SHAMPOO POWDER

Minimum Retail 3d. per packet. **Wholesale ... 20/- per gross.**

In very beautiful embossed envelopes. Write for Free Sample Packet.



Printed for the Proprietors by Spottiswoode, Ballantyne & Co., Ltd., New Street Square, E.C. 4, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 42 Cannon Street, in the City of London.—*April* 23, 1921.